DD7 McCann Exh 9

Appendix 14

A. Combination Red Flagged Prescriptions – Red Flag Computation 1-16 Summary and Chart

CONFIDENTIAL – SUBJECT TO PROTECTIVE ORDER

All Defendants
Combination Red Flagged Prescriptions Summary
Lake County and Trumbull County, OH

	Number of Combination Red Flagged Prescriptions	Total Number of Prescriptions
All Prescriptions	884,166	4,566,574
Opioid Prescriptions	690,028	3,342,140

Red Flag Computation	Flagged	%	%
Flagged for Any of the Red Flag Computation 1-16	884,166	100.0%	19.4%
Red Flag Computation 1	34,242	5.0%	1.0%
Red Flag Computation 2	190,395	27.6%	5.7%
Red Flag Computation 3	110,400	16.0%	3.3%
Red Flag Computation 4	54,788	7.9%	1.6%
Red Flag Computation 5	119,732	13.5%	2.6%
Red Flag Computation 6	33,481	3.8%	0.7%
Red Flag Computation 7	467,057	52.8%	10.2%
Red Flag Computation 8	311,492	35.2%	6.8%
Red Flag Computation 9	34,276	5.0%	1.0%
Red Flag Computation 10	51,282	7.4%	1.5%
Red Flag Computation 11	44,545	6.5%	1.3%
Red Flag Computation 12	72,146	10.5%	2.2%
Red Flag Computation 13	48,536	7.0%	1.5%
Red Flag Computation 14	12,802	1.9%	0.4%
Red Flag Computation 15	269,780	39.1%	8.1%
Red Flag Computation 16	38,600	5.6%	1.2%

Notes:

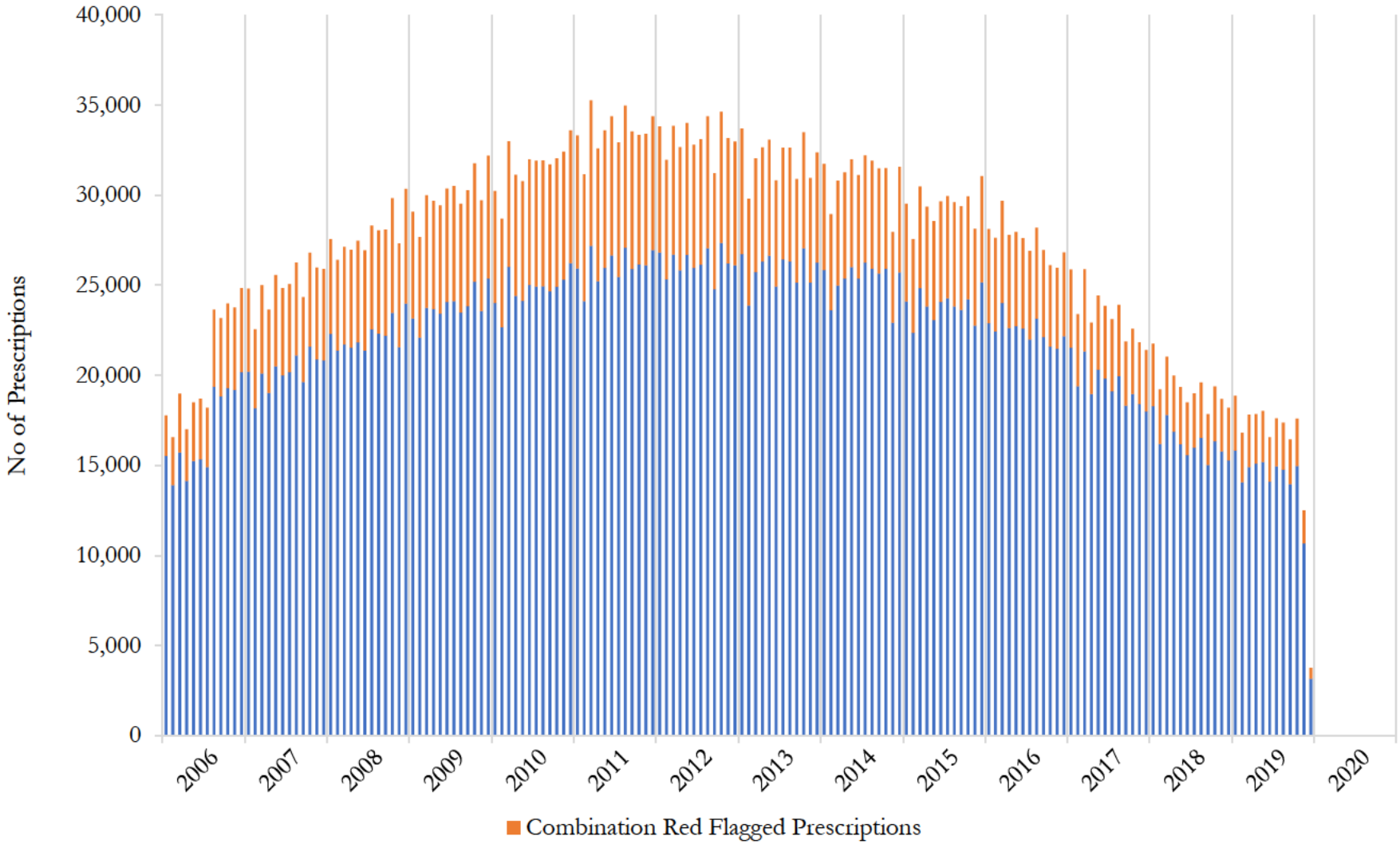
[1] I summarize the 884,166 prescriptions that were triggered by at least one of the initial 16 red flag computations (1-16), and by at least one of the subsequent 27 red flag computations (17-43).

[2]

Defendant	Date Range
CVS	January 1, 2006 to November 29, 2019
Giant Eagle/HBC	January 1, 2006 to December 3, 2019
Rite Aid	January 1, 2006 to November 19, 2019
Walgreens	January 3, 2006 to January 3, 2020
Wal-Mart	January 2, 2006 to April 25, 2018

CONFIDENTIAL - SUBJECT TO PROTECTIVE ORDER

All Defendants Combination Red Flagged Prescriptions
Lake County and Trumbull County, OH



Defendant	Date Range
CVS	January 1, 2006 to November 29, 2019;
Giant Eagle/HBC	January 1, 2006 to December 3, 2019
Rite Aid	January 1, 2006 to November 19, 2019;
Walgreens	January 3, 2006 to January 3, 2020;
Wal-Mart	January 2, 2006 to April 25, 2018

CONFIDENTIAL – SUBJECT TO PROTECTIVE ORDER

All Defendants
Combination Red Flagged Prescriptions Summary
Lake County, OH

	Number of Combination Red Flagged Prescriptions	Total Number of Prescriptions
All Prescriptions	367,021	2,123,739
Opioid Prescriptions	303,723	1,578,866

Red Flag Computation	Flagged	%	%
Flagged for Any of the Red Flag Computation 1-16	367,021	100.0%	17.3%
Red Flag Computation 1	21,897	7.2%	1.4%
Red Flag Computation 2	100,406	33.1%	6.4%
Red Flag Computation 3	48,190	15.9%	3.1%
Red Flag Computation 4	25,952	8.5%	1.6%
Red Flag Computation 5	51,399	14.0%	2.4%
Red Flag Computation 6	11,695	3.2%	0.6%
Red Flag Computation 7	169,604	46.2%	8.0%
Red Flag Computation 8	92,119	25.1%	4.3%
Red Flag Computation 9	14,337	4.7%	0.9%
Red Flag Computation 10	15,351	5.1%	1.0%
Red Flag Computation 11	13,427	4.4%	0.9%
Red Flag Computation 12	23,704	7.8%	1.5%
Red Flag Computation 13	17,762	5.8%	1.1%
Red Flag Computation 14	5,194	1.7%	0.3%
Red Flag Computation 15	122,079	40.2%	7.7%
Red Flag Computation 16	23,110	7.6%	1.5%

Notes:

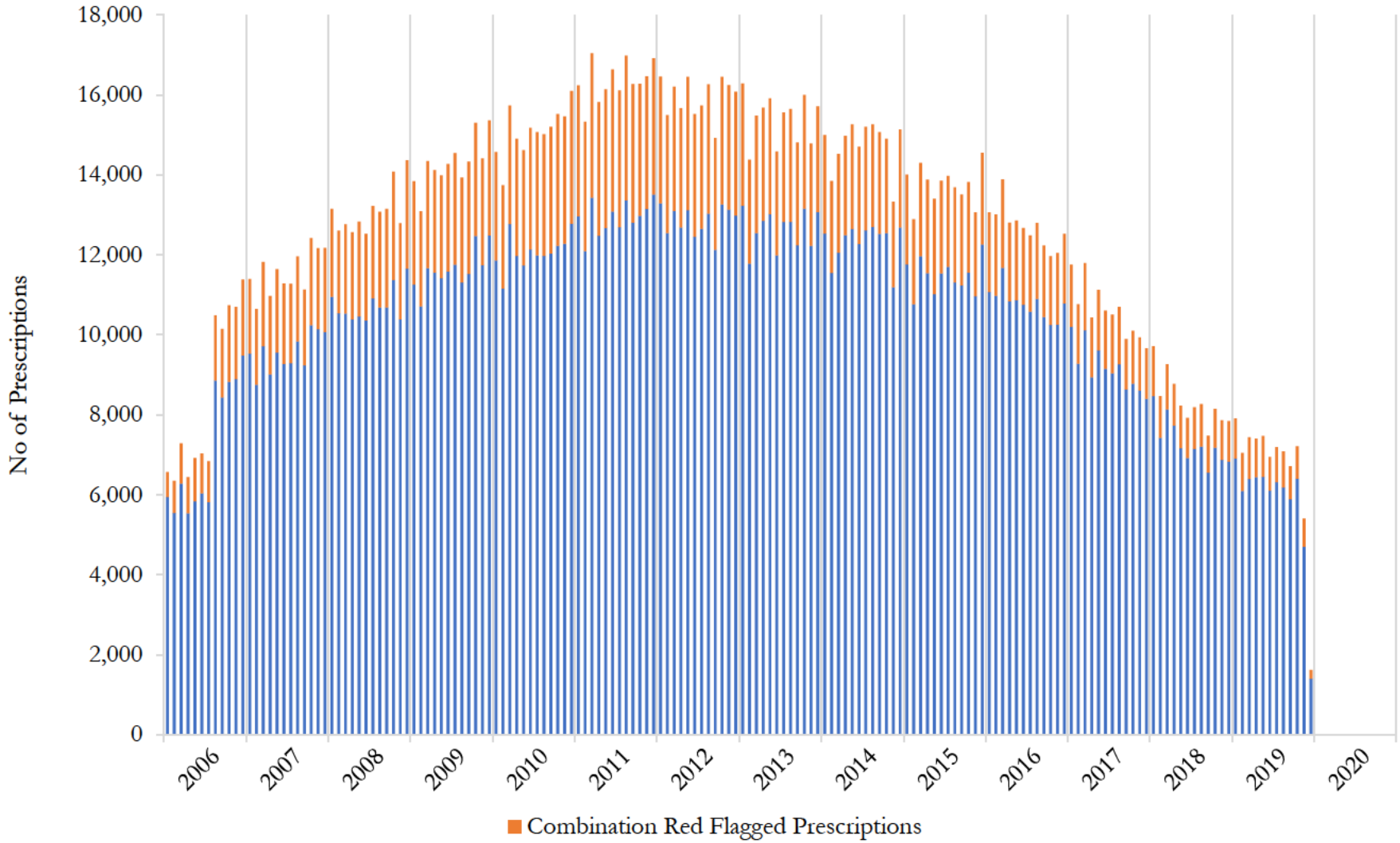
[1] I summarize the 367,021 prescriptions that were triggered by at least one of the initial 16 red flag computations (1-16), and by at least one of the subsequent 27 red flag computations (17-43).

[2]

Defendant	Date Range
CVS	January 1, 2006 to November 29, 2019
Giant Eagle/HBC	January 1, 2006 to December 3, 2019
Rite Aid	January 1, 2006 to November 19, 2019
Walgreens	January 3, 2006 to January 3, 2020
Wal-Mart	January 2, 2006 to April 25, 2018

CONFIDENTIAL - SUBJECT TO PROTECTIVE ORDER

All Defendants Combination Red Flagged Prescriptions
Lake County, OH



Defendant	Date Range
CVS	January 1, 2006 to November 29, 2019;
Giant Eagle/HBC	January 1, 2006 to December 3, 2019
Rite Aid	January 1, 2006 to November 19, 2019;
Walgreens	January 3, 2006 to January 3, 2020;
Wal-Mart	January 2, 2006 to April 25, 2018

CONFIDENTIAL – SUBJECT TO PROTECTIVE ORDER

All Defendants
Combination Red Flagged Prescriptions Summary
Trumbull County, OH

	Number of Combination Red Flagged Prescriptions	Total Number of Prescriptions
All Prescriptions	517,145	2,442,835
Opioid Prescriptions	386,305	1,763,274

Red Flag Computation	Flagged	%	%
Flagged for Any of the Red Flag Computation 1-16	517,145	100.0%	21.2%
Red Flag Computation 1	12,345	3.2%	0.7%
Red Flag Computation 2	89,989	23.3%	5.1%
Red Flag Computation 3	62,210	16.1%	3.5%
Red Flag Computation 4	28,836	7.5%	1.6%
Red Flag Computation 5	68,333	13.2%	2.8%
Red Flag Computation 6	21,786	4.2%	0.9%
Red Flag Computation 7	297,453	57.5%	12.2%
Red Flag Computation 8	219,373	42.4%	9.0%
Red Flag Computation 9	19,939	5.2%	1.1%
Red Flag Computation 10	35,931	9.3%	2.0%
Red Flag Computation 11	31,118	8.1%	1.8%
Red Flag Computation 12	48,442	12.5%	2.7%
Red Flag Computation 13	30,774	8.0%	1.7%
Red Flag Computation 14	7,608	2.0%	0.4%
Red Flag Computation 15	147,701	38.2%	8.4%
Red Flag Computation 16	15,490	4.0%	0.9%

Notes:

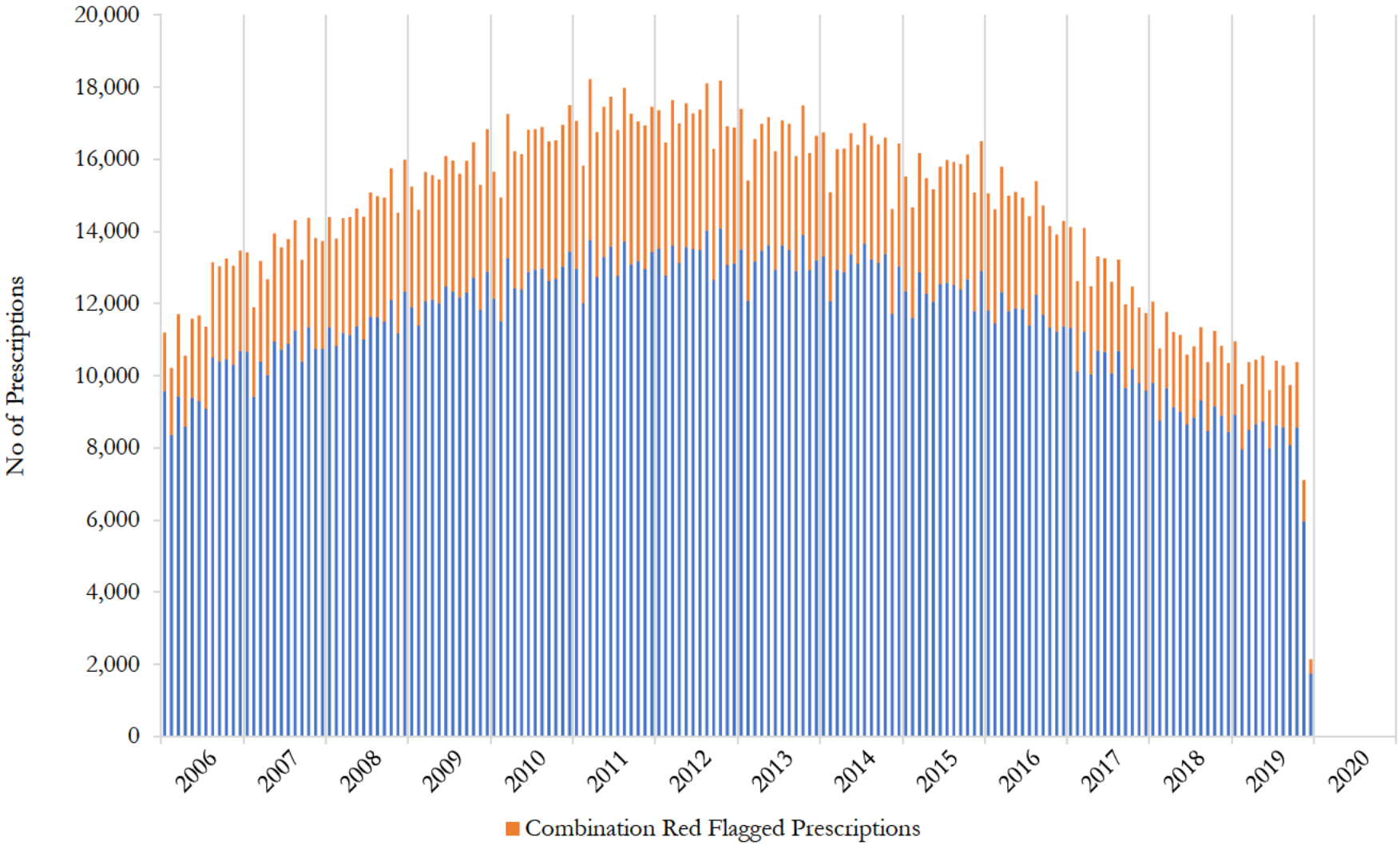
[1] I summarize the 517,145 prescriptions that were triggered by at least one of the initial 16 red flag computations (1-16), and by at least one of the subsequent 27 red flag computations (17-43).

[2]

Defendant	Date Range
CVS	January 1, 2006 to November 29, 2019
Giant Eagle/HBC	January 1, 2006 to December 3, 2019
Rite Aid	January 1, 2006 to November 19, 2019
Walgreens	January 3, 2006 to January 3, 2020
Wal-Mart	January 2, 2006 to April 25, 2018

CONFIDENTIAL - SUBJECT TO PROTECTIVE ORDER

All Defendants Combination Red Flagged Prescriptions
Trumbull County, OH



Defendant	Date Range
CVS	January 1, 2006 to November 29, 2019;
Giant Eagle/HBC	January 1, 2006 to December 3, 2019
Rite Aid	January 1, 2006 to November 19, 2019;
Walgreens	January 3, 2006 to January 3, 2020;
Wal-Mart	January 2, 2006 to April 25, 2018

CVS
Combination Red Flagged Prescriptions Summary
Lake County and Trumbull County, OH

	Number of Combination Red Flagged Prescriptions	Total Number of Prescriptions
All Prescriptions	175,254	851,198
Opioid Prescriptions	141,651	701,467

Red Flag Computation	Flagged	%	%
Flagged for Any of the Red Flag Computation 1-16	175,254	100.0%	20.6%
Red Flag Computation 1	7,210	5.1%	1.0%
Red Flag Computation 2	53,820	38.0%	7.7%
Red Flag Computation 3	21,929	15.5%	3.1%
Red Flag Computation 4	10,682	7.5%	1.5%
Red Flag Computation 5	22,885	13.1%	2.7%
Red Flag Computation 6	6,120	3.5%	0.7%
Red Flag Computation 7	84,777	48.4%	10.0%
Red Flag Computation 8	52,525	30.0%	6.2%
Red Flag Computation 9	5,158	3.6%	0.7%
Red Flag Computation 10	5,372	3.8%	0.8%
Red Flag Computation 11	4,388	3.1%	0.6%
Red Flag Computation 12	11,786	8.3%	1.7%
Red Flag Computation 13	7,845	5.5%	1.1%
Red Flag Computation 14	2,508	1.8%	0.4%
Red Flag Computation 15	45,571	32.2%	6.5%
Red Flag Computation 16	12,043	8.5%	1.7%

Notes:

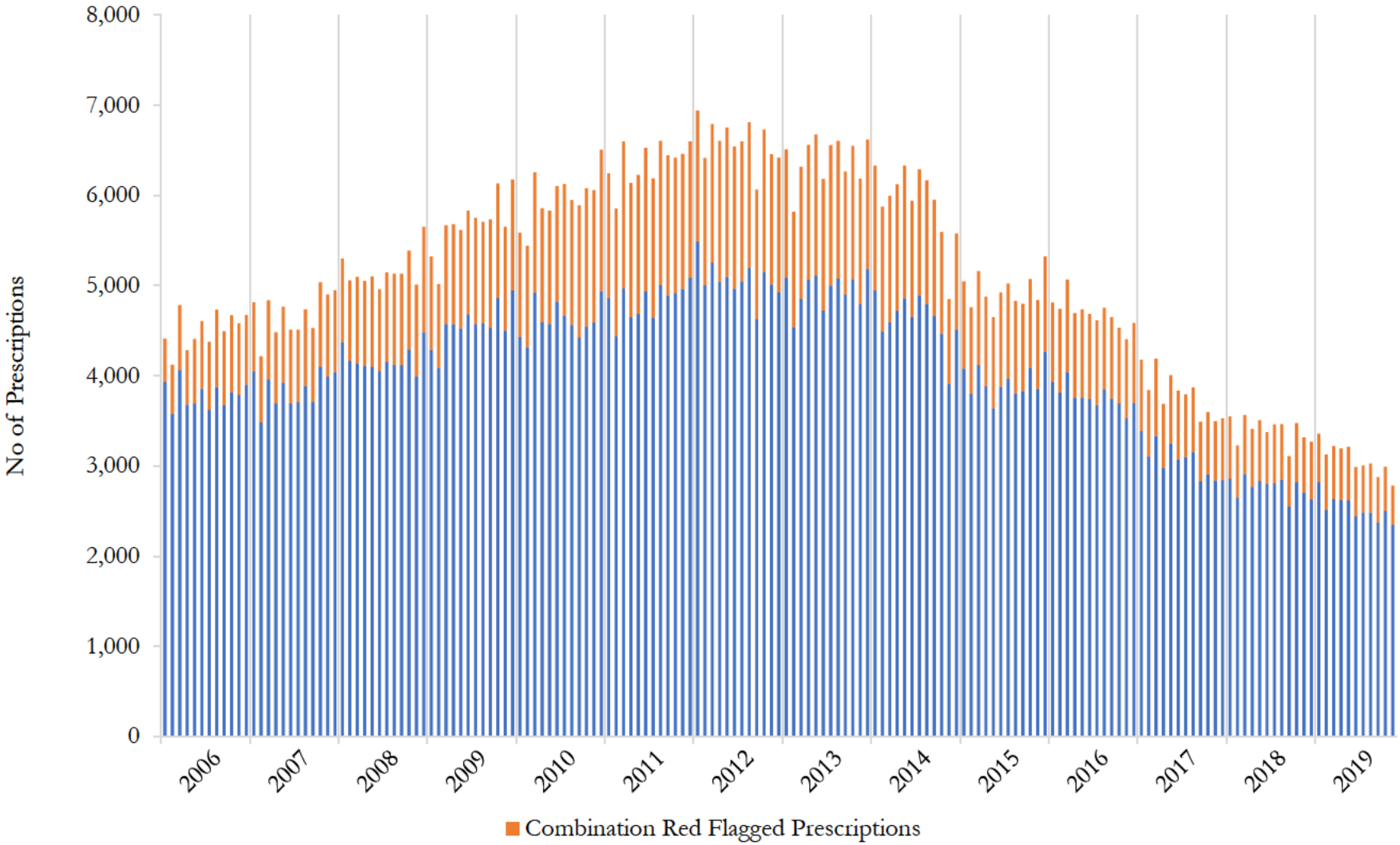
[1] I summarize the 175,254 prescriptions that were triggered by at least one of the initial 16 red flag computations (1-16), and by at least one of the subsequent 27 red flag computations (17-43).

[2]

Defendant	Date Range
CVS	January 1, 2006 to November 29, 2019
Giant Eagle/HBC	January 1, 2006 to December 3, 2019
Rite Aid	January 1, 2006 to November 19, 2019
Walgreens	January 3, 2006 to January 3, 2020
Wal-Mart	January 2, 2006 to April 25, 2018

CONFIDENTIAL - SUBJECT TO PROTECTIVE ORDER

CVS Combination Red Flagged Prescriptions
Lake County and Trumbull County, OH



Defendant	Date Range
CVS	January 1, 2006 to November 29, 2019;
Giant Eagle/HBC	January 1, 2006 to December 3, 2019
Rite Aid	January 1, 2006 to November 19, 2019;
Walgreens	January 3, 2006 to January 3, 2020;
Wal-Mart	January 2, 2006 to April 25, 2018

CVS
Combination Red Flagged Prescriptions Summary
Lake County, OH

	Number of Combination Red Flagged Prescriptions	Total Number of Prescriptions
All Prescriptions	107,190	539,147
Opioid Prescriptions	91,066	448,762

Red Flag Computation	Flagged	%	%
Flagged for Any of the Red Flag Computation 1-16	107,190	100.0%	19.9%
Red Flag Computation 1	5,633	6.2%	1.3%
Red Flag Computation 2	35,166	38.6%	7.8%
Red Flag Computation 3	13,545	14.9%	3.0%
Red Flag Computation 4	8,502	9.3%	1.9%
Red Flag Computation 5	13,725	12.8%	2.5%
Red Flag Computation 6	3,058	2.9%	0.6%
Red Flag Computation 7	45,941	42.9%	8.5%
Red Flag Computation 8	23,649	22.1%	4.4%
Red Flag Computation 9	3,220	3.5%	0.7%
Red Flag Computation 10	3,637	4.0%	0.8%
Red Flag Computation 11	3,203	3.5%	0.7%
Red Flag Computation 12	9,743	10.7%	2.2%
Red Flag Computation 13	6,303	6.9%	1.4%
Red Flag Computation 14	1,630	1.8%	0.4%
Red Flag Computation 15	31,268	34.3%	7.0%
Red Flag Computation 16	8,130	8.9%	1.8%

Notes:

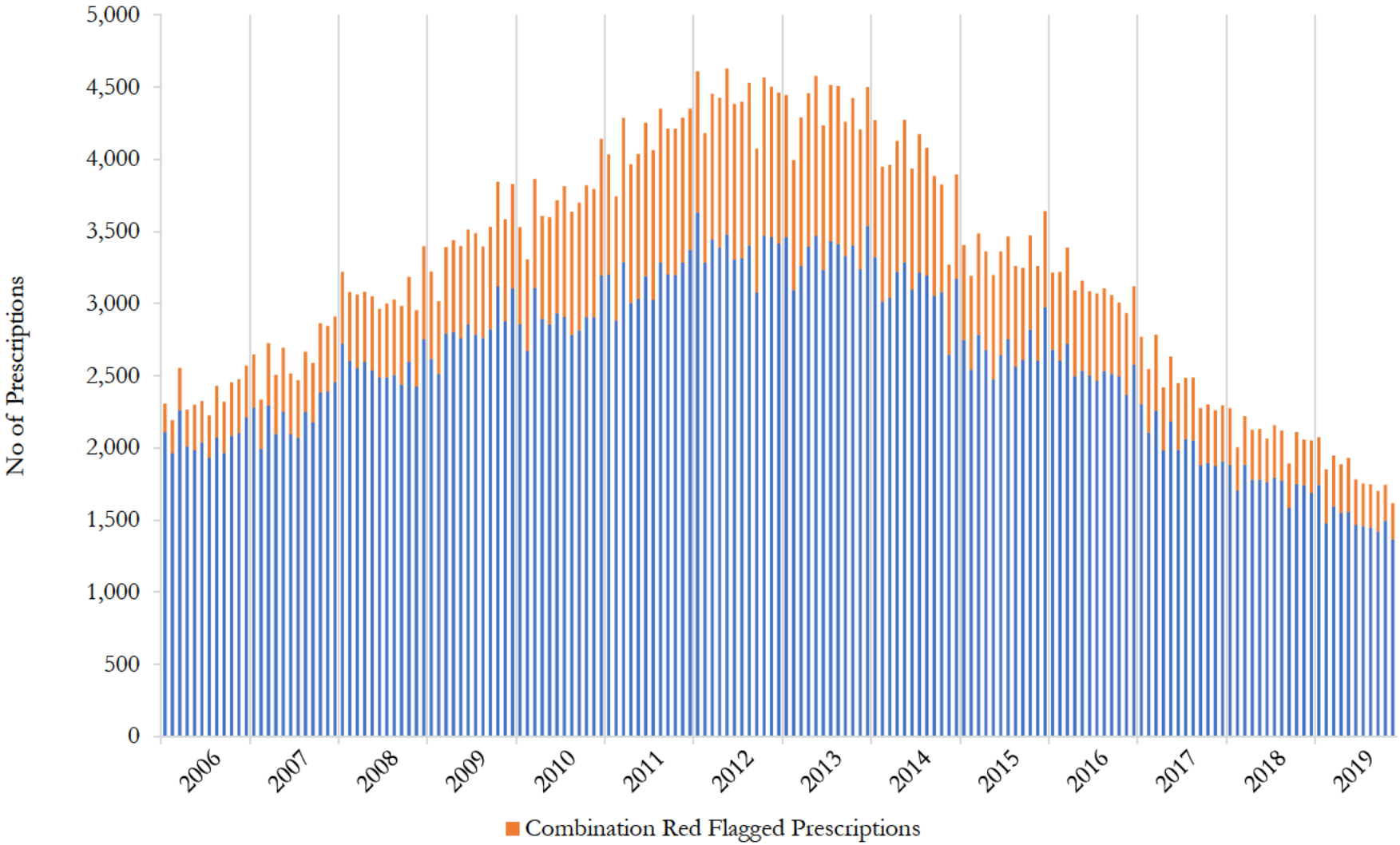
[1] I summarize the 107,190 prescriptions that were triggered by at least one of the initial 16 red flag computations (1-16), and by at least one of the subsequent 27 red flag computations (17-43).

[2]

Defendant	Date Range
CVS	January 1, 2006 to November 29, 2019
Giant Eagle/HBC	January 1, 2006 to December 3, 2019
Rite Aid	January 1, 2006 to November 19, 2019
Walgreens	January 3, 2006 to January 3, 2020
Wal-Mart	January 2, 2006 to April 25, 2018

CONFIDENTIAL - SUBJECT TO PROTECTIVE ORDER

CVS Combination Red Flagged Prescriptions
Lake County, OH



Defendant	Date Range
CVS	January 1, 2006 to November 29, 2019;
Giant Eagle/HBC	January 1, 2006 to December 3, 2019
Rite Aid	January 1, 2006 to November 19, 2019;
Walgreens	January 3, 2006 to January 3, 2020;
Wal-Mart	January 2, 2006 to April 25, 2018

CVS
Combination Red Flagged Prescriptions Summary
Trumbull County, OH

	Number of Combination Red Flagged Prescriptions	Total Number of Prescriptions
All Prescriptions	68,064	312,051
Opioid Prescriptions	50,585	252,705

Red Flag Computation	Flagged	%	%
Flagged for Any of the Red Flag Computation 1-16	68,064	100.0%	21.8%
Red Flag Computation 1	1,577	3.1%	0.6%
Red Flag Computation 2	18,654	36.9%	7.4%
Red Flag Computation 3	8,384	16.6%	3.3%
Red Flag Computation 4	2,180	4.3%	0.9%
Red Flag Computation 5	9,160	13.5%	2.9%
Red Flag Computation 6	3,062	4.5%	1.0%
Red Flag Computation 7	38,836	57.1%	12.4%
Red Flag Computation 8	28,876	42.4%	9.3%
Red Flag Computation 9	1,938	3.8%	0.8%
Red Flag Computation 10	1,735	3.4%	0.7%
Red Flag Computation 11	1,185	2.3%	0.5%
Red Flag Computation 12	2,043	4.0%	0.8%
Red Flag Computation 13	1,542	3.0%	0.6%
Red Flag Computation 14	878	1.7%	0.3%
Red Flag Computation 15	14,303	28.3%	5.7%
Red Flag Computation 16	3,913	7.7%	1.5%

Notes:

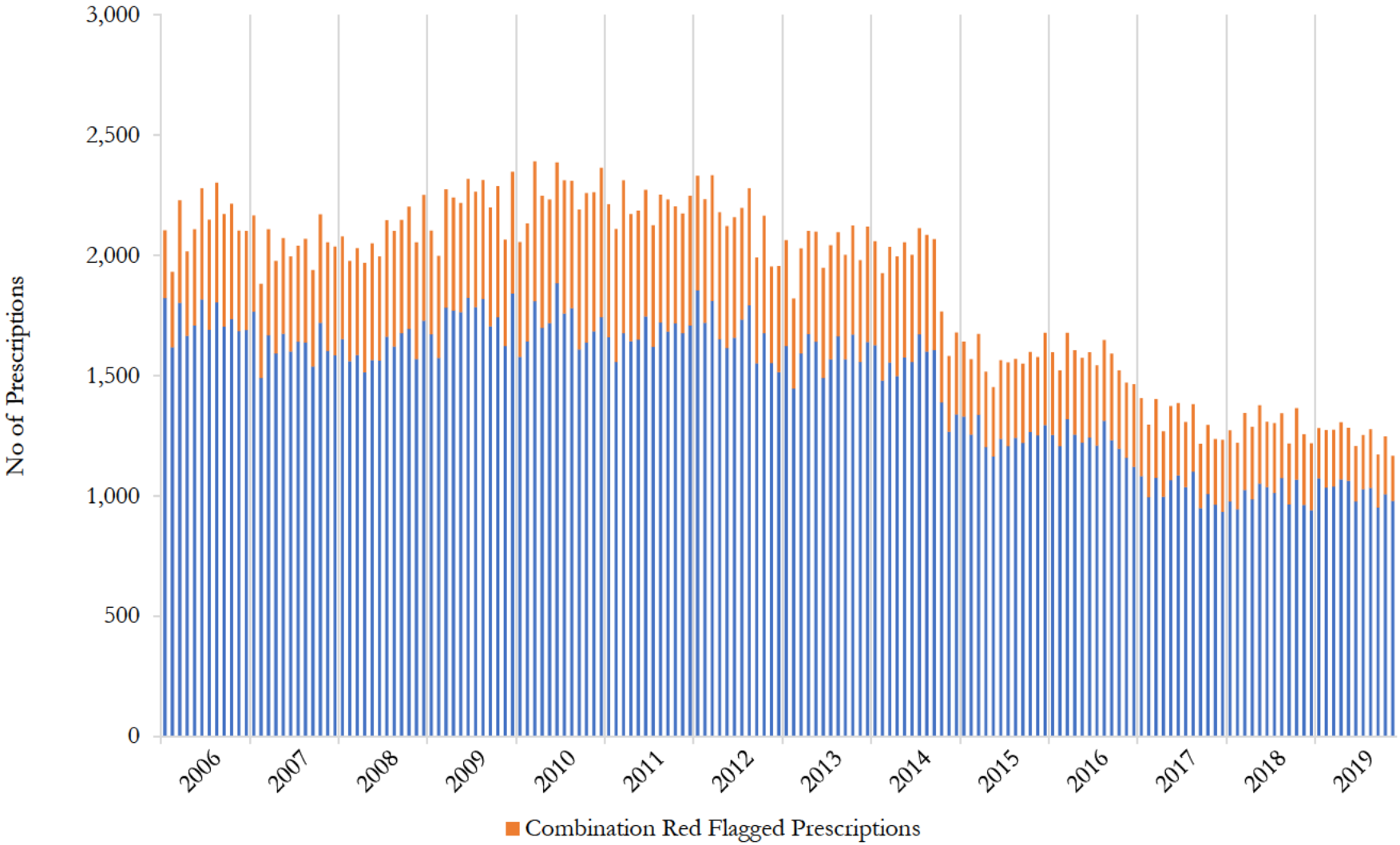
[1] I summarize the 68,064 prescriptions that were triggered by at least one of the initial 16 red flag computations (1-16), and by at least one of the subsequent 27 red flag computations (17-43).

[2]

Defendant	Date Range
CVS	January 1, 2006 to November 29, 2019
Giant Eagle/HBC	January 1, 2006 to December 3, 2019
Rite Aid	January 1, 2006 to November 19, 2019
Walgreens	January 3, 2006 to January 3, 2020
Wal-Mart	January 2, 2006 to April 25, 2018

CONFIDENTIAL - SUBJECT TO PROTECTIVE ORDER

CVS Combination Red Flagged Prescriptions
Trumbull County, OH



Defendant	Date Range
CVS	January 1, 2006 to November 29, 2019;
Giant Eagle/HBC	January 1, 2006 to December 3, 2019
Rite Aid	January 1, 2006 to November 19, 2019;
Walgreens	January 3, 2006 to January 3, 2020;
Wal-Mart	January 2, 2006 to April 25, 2018

Giant Eagle/HBC
Combination Red Flagged Prescriptions Summary
Lake County and Trumbull County, OH

	Number of Combination Red Flagged Prescriptions	Total Number of Prescriptions
All Prescriptions	164,698	1,399,920
Opioid Prescriptions	125,994	774,690

Red Flag Computation	Flagged	%	%
Flagged for Any of the Red Flag Computation 1-16	164,698	100.0%	11.8%
Red Flag Computation 1	2,889	2.3%	0.4%
Red Flag Computation 2	29,231	23.2%	3.8%
Red Flag Computation 3	21,885	17.4%	2.8%
Red Flag Computation 4	6,221	4.9%	0.8%
Red Flag Computation 5	21,386	13.0%	1.5%
Red Flag Computation 6	6,262	3.8%	0.4%
Red Flag Computation 7	89,220	54.2%	6.4%
Red Flag Computation 8	61,969	37.6%	4.4%
Red Flag Computation 9	4,768	3.8%	0.6%
Red Flag Computation 10	4,148	3.3%	0.5%
Red Flag Computation 11	3,138	2.5%	0.4%
Red Flag Computation 12	7,075	5.6%	0.9%
Red Flag Computation 13	19,624	15.6%	2.5%
Red Flag Computation 14	3,450	2.7%	0.4%
Red Flag Computation 15	38,025	30.2%	4.9%
Red Flag Computation 16	5,692	4.5%	0.7%

Notes:

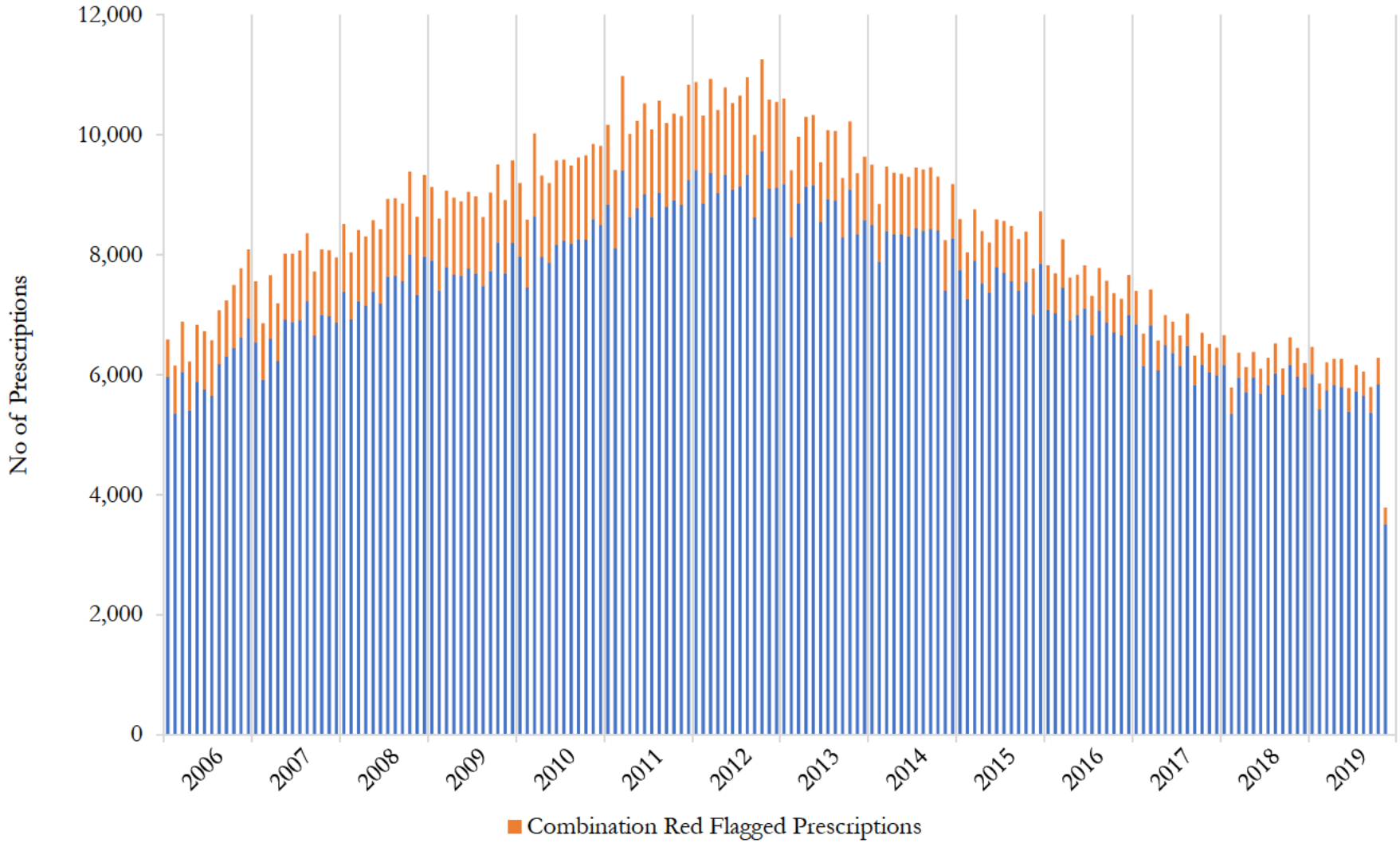
[1] I summarize the 164,698 prescriptions that were triggered by at least one of the initial 16 red flag computations (1-16), and by at least one of the subsequent 27 red flag computations (17-43).

[2]

Defendant	Date Range
CVS	January 1, 2006 to November 29, 2019
Giant Eagle/HBC	January 1, 2006 to December 3, 2019
Rite Aid	January 1, 2006 to November 19, 2019
Walgreens	January 3, 2006 to January 3, 2020
Wal-Mart	January 2, 2006 to April 25, 2018

CONFIDENTIAL - SUBJECT TO PROTECTIVE ORDER

Giant Eagle/HBC Combination Red Flagged Prescriptions
Lake County and Trumbull County, OH



Defendant	Date Range
CVS	January 1, 2006 to November 29, 2019;
Giant Eagle/HBC	January 1, 2006 to December 3, 2019
Rite Aid	January 1, 2006 to November 19, 2019;
Walgreens	January 3, 2006 to January 3, 2020;
Wal-Mart	January 2, 2006 to April 25, 2018

Giant Eagle/HBC
Combination Red Flagged Prescriptions Summary
Lake County, OH

	Number of Combination Red Flagged Prescriptions	Total Number of Prescriptions
All Prescriptions	56,913	596,575
Opioid Prescriptions	45,795	325,813

Red Flag Computation	Flagged	%	%
Flagged for Any of the Red Flag Computation 1-16	56,913	100.0%	9.5%
Red Flag Computation 1	1,791	3.9%	0.5%
Red Flag Computation 2	13,128	28.7%	4.0%
Red Flag Computation 3	7,742	16.9%	2.4%
Red Flag Computation 4	2,710	5.9%	0.8%
Red Flag Computation 5	7,102	12.5%	1.2%
Red Flag Computation 6	1,708	3.0%	0.3%
Red Flag Computation 7	27,418	48.2%	4.6%
Red Flag Computation 8	17,163	30.2%	2.9%
Red Flag Computation 9	1,815	4.0%	0.6%
Red Flag Computation 10	1,000	2.2%	0.3%
Red Flag Computation 11	639	1.4%	0.2%
Red Flag Computation 12	1,936	4.2%	0.6%
Red Flag Computation 13	5,401	11.8%	1.7%
Red Flag Computation 14	1,246	2.7%	0.4%
Red Flag Computation 15	12,859	28.1%	3.9%
Red Flag Computation 16	3,106	6.8%	1.0%

Notes:

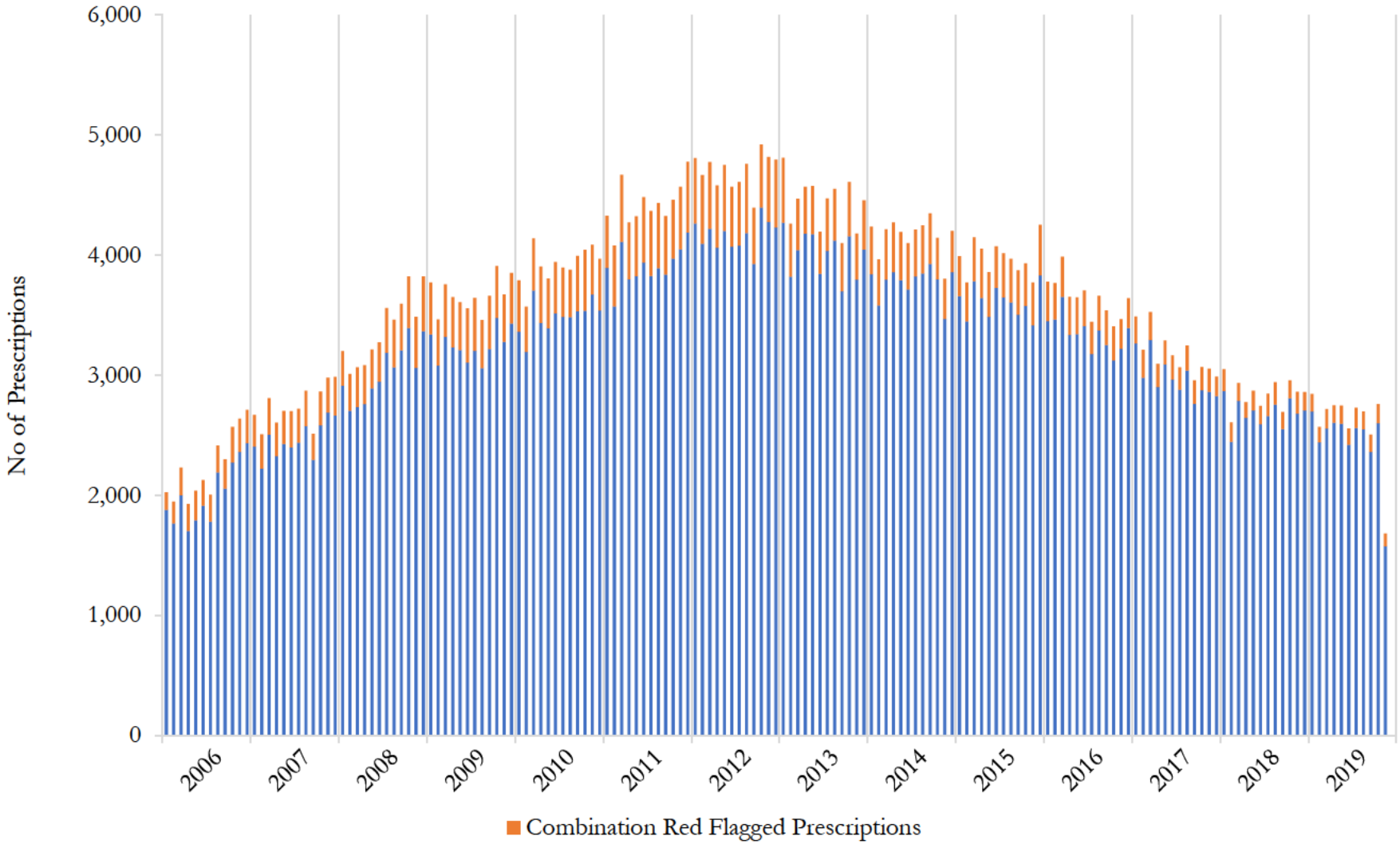
[1] I summarize the 56,913 prescriptions that were triggered by at least one of the initial 16 red flag computations (1-16), and by at least one of the subsequent 27 red flag computations (17-43).

[2]

Defendant	Date Range
CVS	January 1, 2006 to November 29, 2019
Giant Eagle/HBC	January 1, 2006 to December 3, 2019
Rite Aid	January 1, 2006 to November 19, 2019
Walgreens	January 3, 2006 to January 3, 2020
Wal-Mart	January 2, 2006 to April 25, 2018

CONFIDENTIAL - SUBJECT TO PROTECTIVE ORDER

Giant Eagle/HBC Combination Red Flagged Prescriptions
Lake County, OH



Defendant	Date Range
CVS	January 1, 2006 to November 29, 2019;
Giant Eagle/HBC	January 1, 2006 to December 3, 2019
Rite Aid	January 1, 2006 to November 19, 2019;
Walgreens	January 3, 2006 to January 3, 2020;
Wal-Mart	January 2, 2006 to April 25, 2018

Giant Eagle/HBC
Combination Red Flagged Prescriptions Summary
Trumbull County, OH

	Number of Combination Red Flagged Prescriptions	Total Number of Prescriptions
All Prescriptions	107,785	803,345
Opioid Prescriptions	80,199	448,877

Red Flag Computation	Flagged	%	%
Flagged for Any of the Red Flag Computation 1-16	107,785	100.0%	13.4%
Red Flag Computation 1	1,098	1.4%	0.2%
Red Flag Computation 2	16,103	20.1%	3.6%
Red Flag Computation 3	14,143	17.6%	3.2%
Red Flag Computation 4	3,511	4.4%	0.8%
Red Flag Computation 5	14,284	13.3%	1.8%
Red Flag Computation 6	4,554	4.2%	0.6%
Red Flag Computation 7	61,802	57.3%	7.7%
Red Flag Computation 8	44,806	41.6%	5.6%
Red Flag Computation 9	2,953	3.7%	0.7%
Red Flag Computation 10	3,148	3.9%	0.7%
Red Flag Computation 11	2,499	3.1%	0.6%
Red Flag Computation 12	5,139	6.4%	1.1%
Red Flag Computation 13	14,223	17.7%	3.2%
Red Flag Computation 14	2,204	2.7%	0.5%
Red Flag Computation 15	25,166	31.4%	5.6%
Red Flag Computation 16	2,586	3.2%	0.6%

Notes:

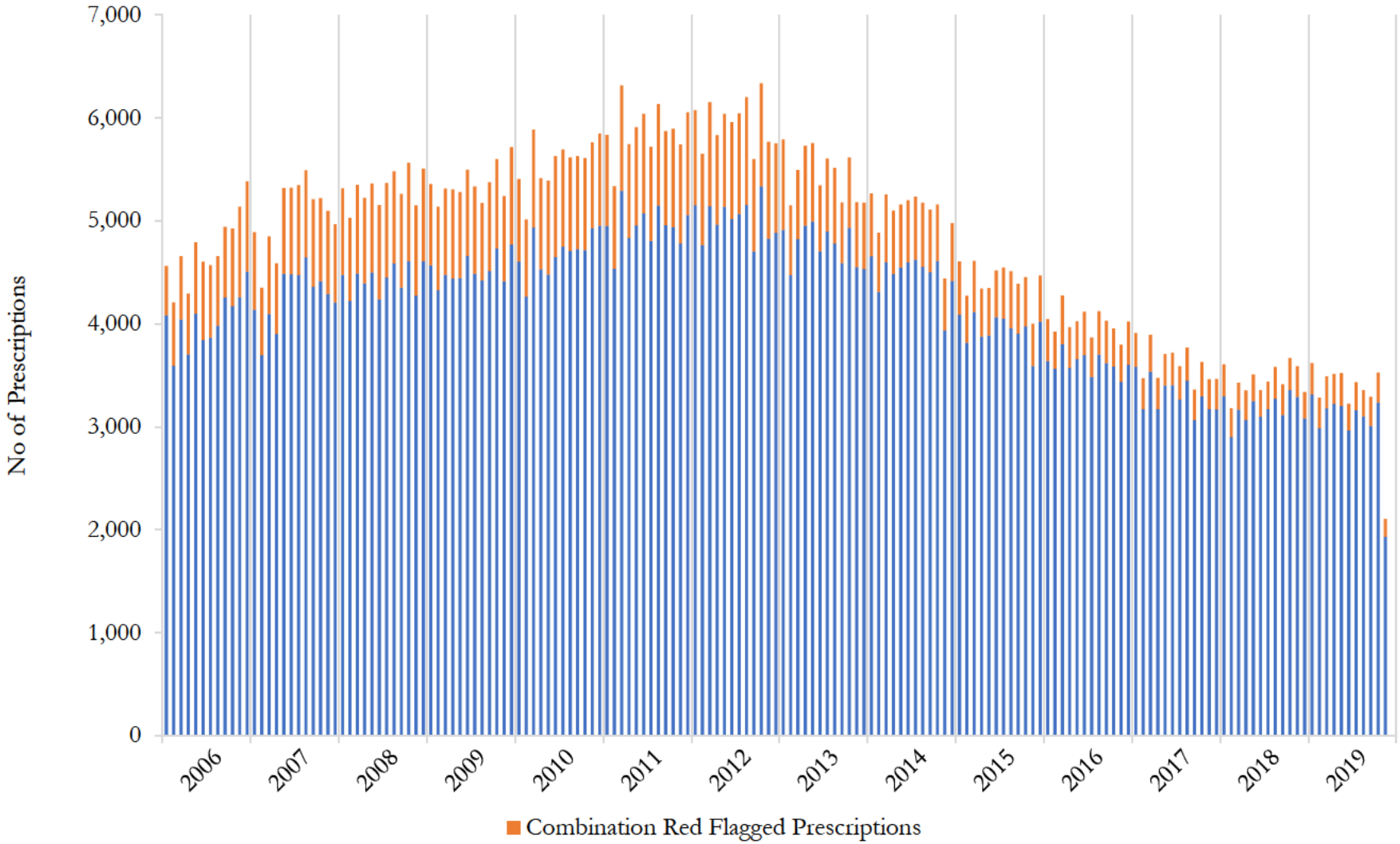
[1] I summarize the 107,785 prescriptions that were triggered by at least one of the initial 16 red flag computations (1-16), and by at least one of the subsequent 27 red flag computations (17-43).

[2]

Defendant	Date Range
CVS	January 1, 2006 to November 29, 2019
Giant Eagle/HBC	January 1, 2006 to December 3, 2019
Rite Aid	January 1, 2006 to November 19, 2019
Walgreens	January 3, 2006 to January 3, 2020
Wal-Mart	January 2, 2006 to April 25, 2018

CONFIDENTIAL - SUBJECT TO PROTECTIVE ORDER

Giant Eagle/HBC Combination Red Flagged Prescriptions
Trumbull County, OH



Defendant	Date Range
CVS	January 1, 2006 to November 29, 2019;
Giant Eagle/HBC	January 1, 2006 to December 3, 2019
Rite Aid	January 1, 2006 to November 19, 2019;
Walgreens	January 3, 2006 to January 3, 2020;
Wal-Mart	January 2, 2006 to April 25, 2018

Rite Aid
Combination Red Flagged Prescriptions Summary
Lake County and Trumbull County, OH

	Number of Combination Red Flagged Prescriptions	Total Number of Prescriptions
All Prescriptions	268,128	1,032,200
Opioid Prescriptions	209,395	830,784

Red Flag Computation	Flagged	%	%
Flagged for Any of the Red Flag Computation 1-16	268,128	100.0%	26.0%
Red Flag Computation 1	14,320	6.8%	1.7%
Red Flag Computation 2	57,968	27.7%	7.0%
Red Flag Computation 3	31,716	15.1%	3.8%
Red Flag Computation 4	17,500	8.4%	2.1%
Red Flag Computation 5	35,314	13.2%	3.4%
Red Flag Computation 6	9,731	3.6%	0.9%
Red Flag Computation 7	143,710	53.6%	13.9%
Red Flag Computation 8	95,633	35.7%	9.3%
Red Flag Computation 9	13,250	6.3%	1.6%
Red Flag Computation 10	25,615	12.2%	3.1%
Red Flag Computation 11	23,108	11.0%	2.8%
Red Flag Computation 12	24,695	11.8%	3.0%
Red Flag Computation 13	8,531	4.1%	1.0%
Red Flag Computation 14	4,076	1.9%	0.5%
Red Flag Computation 15	103,042	49.2%	12.4%
Red Flag Computation 16	5,241	2.5%	0.6%

Notes:

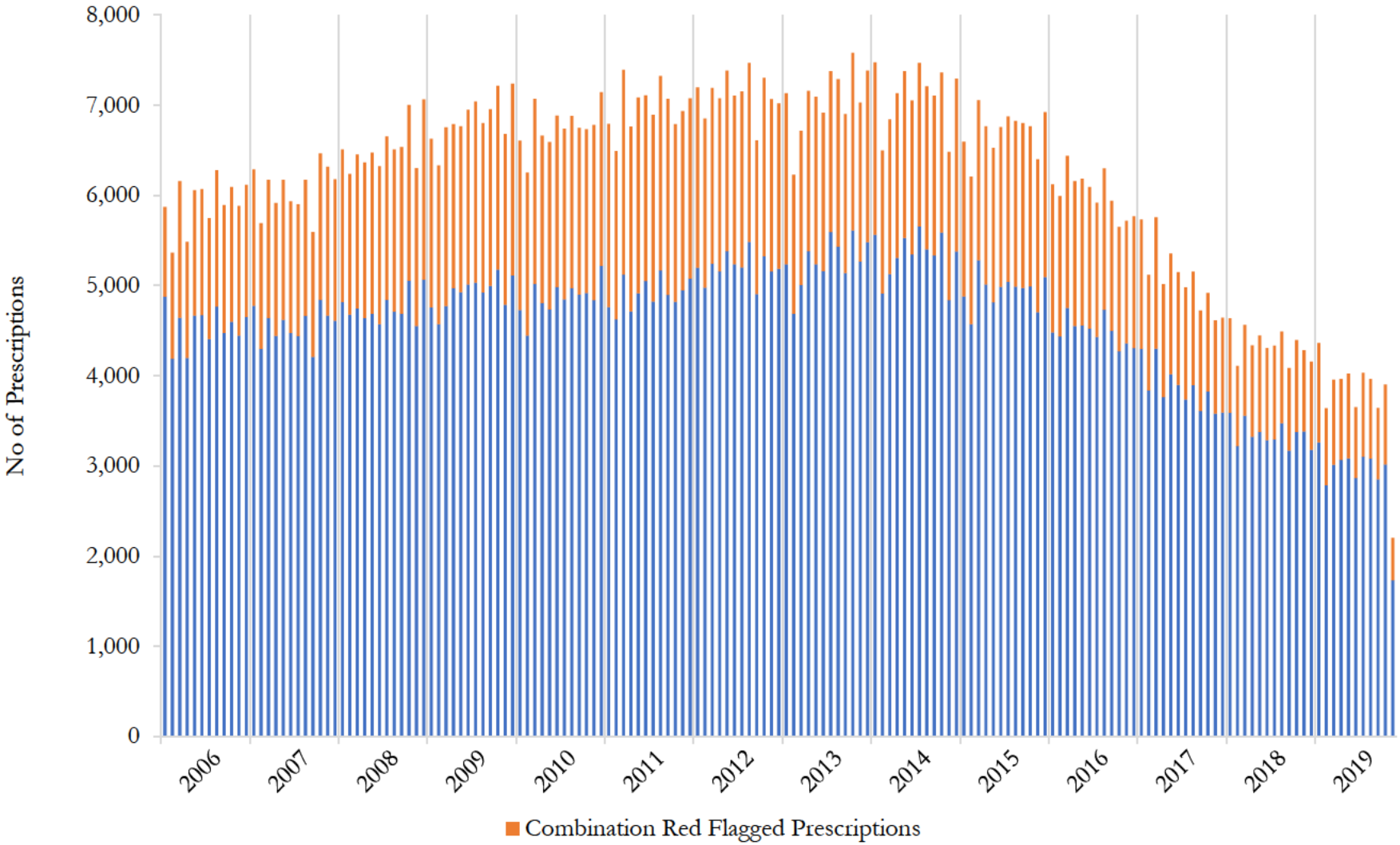
[1] I summarize the 268,128 prescriptions that were triggered by at least one of the initial 16 red flag computations (1-16), and by at least one of the subsequent 27 red flag computations (17-43).

[2]

Defendant	Date Range
CVS	January 1, 2006 to November 29, 2019
Giant Eagle/HBC	January 1, 2006 to December 3, 2019
Rite Aid	January 1, 2006 to November 19, 2019
Walgreens	January 3, 2006 to January 3, 2020
Wal-Mart	January 2, 2006 to April 25, 2018

CONFIDENTIAL - SUBJECT TO PROTECTIVE ORDER

Rite Aid Combination Red Flagged Prescriptions
Lake County and Trumbull County, OH



Defendant	Date Range
CVS	January 1, 2006 to November 29, 2019;
Giant Eagle/HBC	January 1, 2006 to December 3, 2019
Rite Aid	January 1, 2006 to November 19, 2019;
Walgreens	January 3, 2006 to January 3, 2020;
Wal-Mart	January 2, 2006 to April 25, 2018

Rite Aid
Combination Red Flagged Prescriptions Summary
Lake County, OH

	Number of Combination Red Flagged Prescriptions	Total Number of Prescriptions
All Prescriptions	71,014	290,438
Opioid Prescriptions	59,259	233,538

Red Flag Computation	Flagged	%	%
Flagged for Any of the Red Flag Computation 1-16	71,014	100.0%	24.5%
Red Flag Computation 1	8,360	14.1%	3.6%
Red Flag Computation 2	22,558	38.1%	9.7%
Red Flag Computation 3	9,957	16.8%	4.3%
Red Flag Computation 4	3,467	5.9%	1.5%
Red Flag Computation 5	10,093	14.2%	3.5%
Red Flag Computation 6	2,034	2.9%	0.7%
Red Flag Computation 7	32,440	45.7%	11.2%
Red Flag Computation 8	16,023	22.6%	5.5%
Red Flag Computation 9	4,368	7.4%	1.9%
Red Flag Computation 10	5,893	9.9%	2.5%
Red Flag Computation 11	5,484	9.3%	2.3%
Red Flag Computation 12	1,749	3.0%	0.7%
Red Flag Computation 13	709	1.2%	0.3%
Red Flag Computation 14	1,247	2.1%	0.5%
Red Flag Computation 15	34,386	58.0%	14.7%
Red Flag Computation 16	2,109	3.6%	0.9%

Notes:

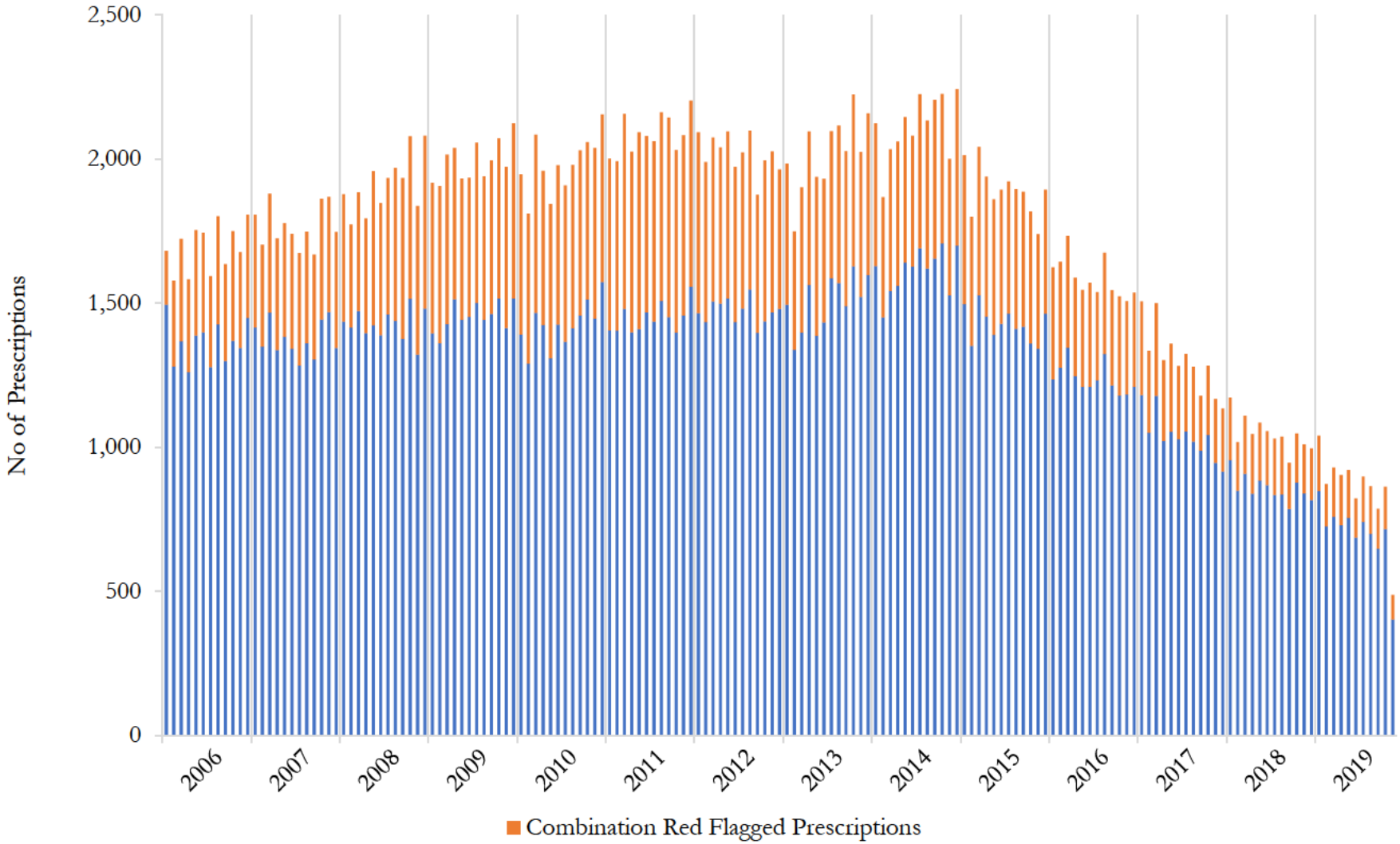
[1] I summarize the 71,014 prescriptions that were triggered by at least one of the initial 16 red flag computations (1-16), and by at least one of the subsequent 27 red flag computations (17-43).

[2]

Defendant	Date Range
CVS	January 1, 2006 to November 29, 2019
Giant Eagle/HBC	January 1, 2006 to December 3, 2019
Rite Aid	January 1, 2006 to November 19, 2019
Walgreens	January 3, 2006 to January 3, 2020
Wal-Mart	January 2, 2006 to April 25, 2018

CONFIDENTIAL - SUBJECT TO PROTECTIVE ORDER

Rite Aid Combination Red Flagged Prescriptions
Lake County, OH



Defendant	Date Range
CVS	January 1, 2006 to November 29, 2019;
Giant Eagle/HBC	January 1, 2006 to December 3, 2019
Rite Aid	January 1, 2006 to November 19, 2019;
Walgreens	January 3, 2006 to January 3, 2020;
Wal-Mart	January 2, 2006 to April 25, 2018

Rite Aid
Combination Red Flagged Prescriptions Summary
Trumbull County, OH

	Number of Combination Red Flagged Prescriptions	Total Number of Prescriptions
All Prescriptions	197,114	741,762
Opioid Prescriptions	150,136	597,246

Red Flag Computation	Flagged	%	%
Flagged for Any of the Red Flag Computation 1-16	197,114	100.0%	26.6%
Red Flag Computation 1	5,960	4.0%	1.0%
Red Flag Computation 2	35,410	23.6%	5.9%
Red Flag Computation 3	21,759	14.5%	3.6%
Red Flag Computation 4	14,033	9.3%	2.3%
Red Flag Computation 5	25,221	12.8%	3.4%
Red Flag Computation 6	7,697	3.9%	1.0%
Red Flag Computation 7	111,270	56.4%	15.0%
Red Flag Computation 8	79,610	40.4%	10.7%
Red Flag Computation 9	8,882	5.9%	1.5%
Red Flag Computation 10	19,722	13.1%	3.3%
Red Flag Computation 11	17,624	11.7%	3.0%
Red Flag Computation 12	22,946	15.3%	3.8%
Red Flag Computation 13	7,822	5.2%	1.3%
Red Flag Computation 14	2,829	1.9%	0.5%
Red Flag Computation 15	68,656	45.7%	11.5%
Red Flag Computation 16	3,132	2.1%	0.5%

Notes:

[1] I summarize the 197,114 prescriptions that were triggered by at least one of the initial 16 red flag computations (1-16), and by at least one of the subsequent 27 red flag computations (17-43).

[2]

Defendant	Date Range
CVS	January 1, 2006 to November 29, 2019
Giant Eagle/HBC	January 1, 2006 to December 3, 2019
Rite Aid	January 1, 2006 to November 19, 2019
Walgreens	January 3, 2006 to January 3, 2020
Wal-Mart	January 2, 2006 to April 25, 2018

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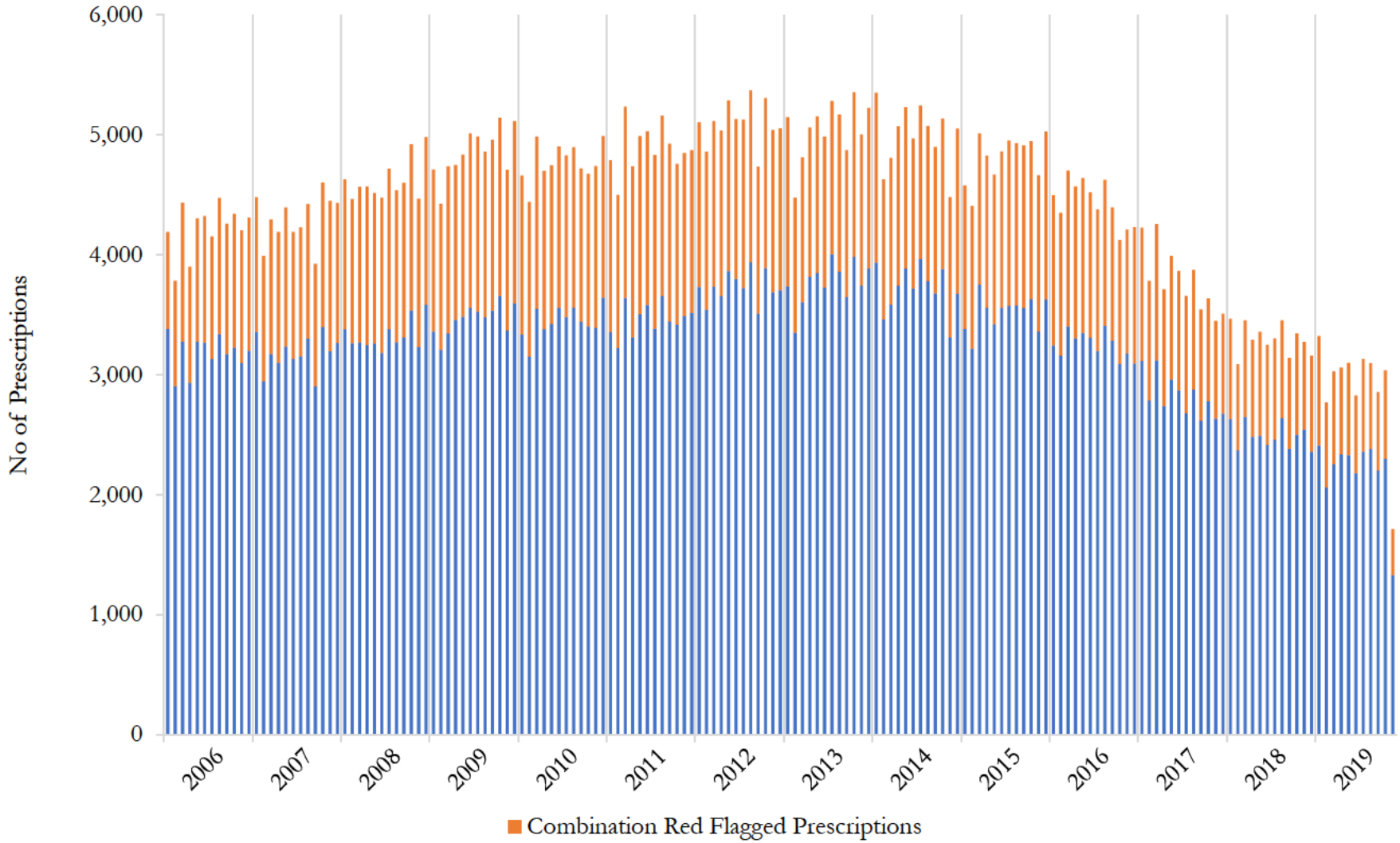
Rite Aid Combination Red Flagged Prescriptions
Trumbull County, OH



Defendant	Date Range
CVS	January 1, 2006 to November 29, 2019;
Giant Eagle/HBC	January 1, 2006 to December 3, 2019
Rite Aid	January 1, 2006 to November 19, 2019;
Walgreens	January 3, 2006 to January 3, 2020;
Wal-Mart	January 2, 2006 to April 25, 2018

Wal-Mart
Combination Red Flagged Prescriptions Summary
Lake County and Trumbull County, OH

	Number of Combination Red Flagged Prescriptions	Total Number of Prescriptions
All Prescriptions	49,243	275,700
Opioid Prescriptions	37,379	229,006

Red Flag Computation	Flagged	%	%
Flagged for Any of the Red Flag Computation 1-16	49,243	100.0%	17.9%
Red Flag Computation 1	2,409	6.4%	1.1%
Red Flag Computation 2	12,310	32.9%	5.4%
Red Flag Computation 3	5,229	14.0%	2.3%
Red Flag Computation 4	0	0.0%	0.0%
Red Flag Computation 5	7,735	15.7%	2.8%
Red Flag Computation 6	2,467	5.0%	0.9%
Red Flag Computation 7	26,427	53.7%	9.6%
Red Flag Computation 8	18,646	37.9%	6.8%
Red Flag Computation 9	1,981	5.3%	0.9%
Red Flag Computation 10	1,012	2.7%	0.4%
Red Flag Computation 11	1,012	2.7%	0.4%
Red Flag Computation 12	1,360	3.6%	0.6%
Red Flag Computation 13	2,343	6.3%	1.0%
Red Flag Computation 14	544	1.5%	0.2%
Red Flag Computation 15	12,094	32.4%	5.3%
Red Flag Computation 16	6,852	18.3%	3.0%

Notes:

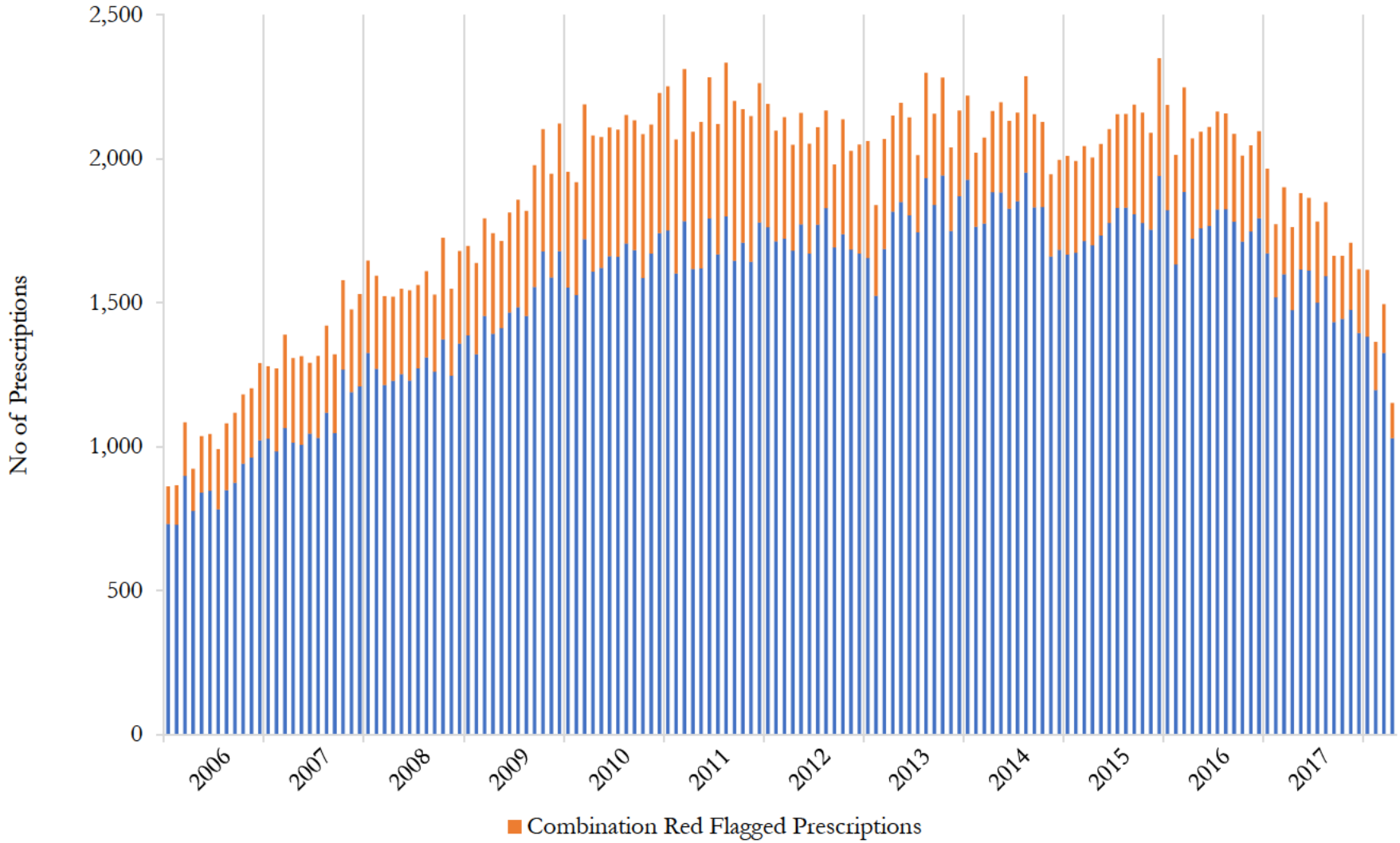
[1] I summarize the 49,243 prescriptions that were triggered by at least one of the initial 16 red flag computations (1-16), and by at least one of the subsequent 27 red flag computations (17-43).

[2]

Defendant	Date Range
CVS	January 1, 2006 to November 29, 2019
Giant Eagle/HBC	January 1, 2006 to December 3, 2019
Rite Aid	January 1, 2006 to November 19, 2019
Walgreens	January 3, 2006 to January 3, 2020
Wal-Mart	January 2, 2006 to April 25, 2018

CONFIDENTIAL - SUBJECT TO PROTECTIVE ORDER

Wal-Mart Combination Red Flagged Prescriptions
Lake County and Trumbull County, OH



Defendant	Date Range
CVS	January 1, 2006 to November 29, 2019;
Giant Eagle/HBC	January 1, 2006 to December 3, 2019
Rite Aid	January 1, 2006 to November 19, 2019;
Walgreens	January 3, 2006 to January 3, 2020;
Wal-Mart	January 2, 2006 to April 25, 2018

Wal-Mart
Combination Red Flagged Prescriptions Summary
Lake County, OH

	Number of Combination Red Flagged Prescriptions	Total Number of Prescriptions
All Prescriptions	33,770	183,292
Opioid Prescriptions	26,709	151,933

Red Flag Computation	Flagged	%	%
Flagged for Any of the Red Flag Computation 1-16	33,770	100.0%	18.4%
Red Flag Computation 1	1,844	6.9%	1.2%
Red Flag Computation 2	9,116	34.1%	6.0%
Red Flag Computation 3	3,548	13.3%	2.3%
Red Flag Computation 4	0	0.0%	0.0%
Red Flag Computation 5	5,732	17.0%	3.1%
Red Flag Computation 6	1,651	4.9%	0.9%
Red Flag Computation 7	16,519	48.9%	9.0%
Red Flag Computation 8	10,502	31.1%	5.7%
Red Flag Computation 9	1,653	6.2%	1.1%
Red Flag Computation 10	905	3.4%	0.6%
Red Flag Computation 11	905	3.4%	0.6%
Red Flag Computation 12	967	3.6%	0.6%
Red Flag Computation 13	2,020	7.6%	1.3%
Red Flag Computation 14	433	1.6%	0.3%
Red Flag Computation 15	10,072	37.7%	6.6%
Red Flag Computation 16	5,028	18.8%	3.3%

Notes:

[1] I summarize the 33,770 prescriptions that were triggered by at least one of the initial 16 red flag computations (1-16), and by at least one of the subsequent 27 red flag computations (17-43).

[2]

Defendant	Date Range
CVS	January 1, 2006 to November 29, 2019
Giant Eagle/HBC	January 1, 2006 to December 3, 2019
Rite Aid	January 1, 2006 to November 19, 2019
Walgreens	January 3, 2006 to January 3, 2020
Wal-Mart	January 2, 2006 to April 25, 2018

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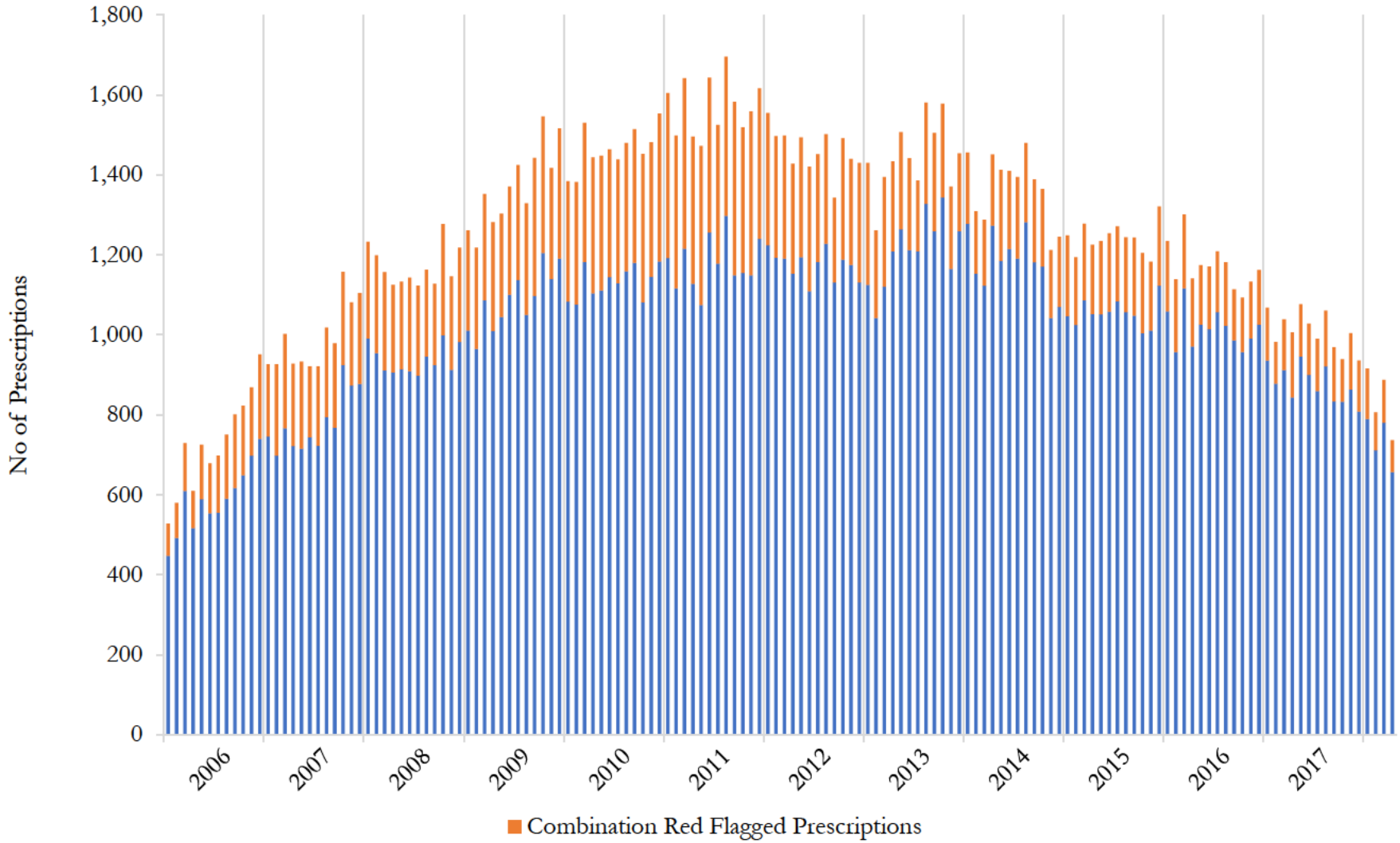
Wal-Mart Combination Red Flagged Prescriptions
Lake County, OH



Defendant	Date Range
CVS	January 1, 2006 to November 29, 2019;
Giant Eagle/HBC	January 1, 2006 to December 3, 2019
Rite Aid	January 1, 2006 to November 19, 2019;
Walgreens	January 3, 2006 to January 3, 2020;
Wal-Mart	January 2, 2006 to April 25, 2018

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Wal-Mart
Combination Red Flagged Prescriptions Summary
Trumbull County, OH

	Number of Combination Red Flagged Prescriptions	Total Number of Prescriptions
All Prescriptions	15,473	92,408
Opioid Prescriptions	10,670	77,073

Red Flag Computation	Flagged	%	%
Flagged for Any of the Red Flag Computation 1-16	15,473	100.0%	16.7%
Red Flag Computation 1	565	5.3%	0.7%
Red Flag Computation 2	3,194	29.9%	4.1%
Red Flag Computation 3	1,681	15.8%	2.2%
Red Flag Computation 4	0	0.0%	0.0%
Red Flag Computation 5	2,003	12.9%	2.2%
Red Flag Computation 6	816	5.3%	0.9%
Red Flag Computation 7	9,908	64.0%	10.7%
Red Flag Computation 8	8,144	52.6%	8.8%
Red Flag Computation 9	328	3.1%	0.4%
Red Flag Computation 10	107	1.0%	0.1%
Red Flag Computation 11	107	1.0%	0.1%
Red Flag Computation 12	393	3.7%	0.5%
Red Flag Computation 13	323	3.0%	0.4%
Red Flag Computation 14	111	1.0%	0.1%
Red Flag Computation 15	2,022	19.0%	2.6%
Red Flag Computation 16	1,824	17.1%	2.4%

Notes:

[1] I summarize the 15,473 prescriptions that were triggered by at least one of the initial 16 red flag computations (1-16), and by at least one of the subsequent 27 red flag computations (17-43).

[2]

Defendant	Date Range
CVS	January 1, 2006 to November 29, 2019
Giant Eagle/HBC	January 1, 2006 to December 3, 2019
Rite Aid	January 1, 2006 to November 19, 2019
Walgreens	January 3, 2006 to January 3, 2020
Wal-Mart	January 2, 2006 to April 25, 2018

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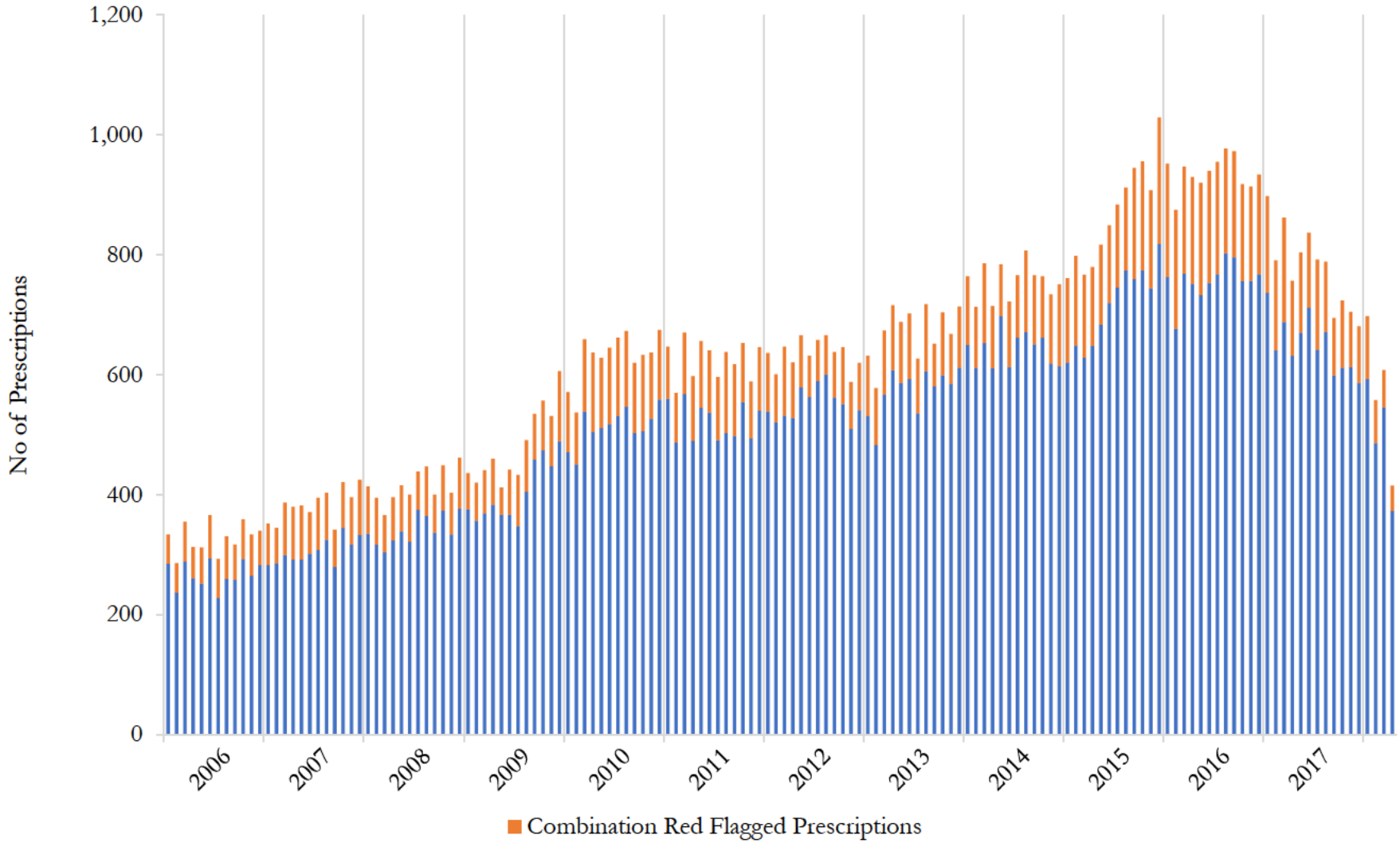
Wal-Mart Combination Red Flagged Prescriptions
Trumbull County, OH



Defendant	Date Range
CVS	January 1, 2006 to November 29, 2019;
Giant Eagle/HBC	January 1, 2006 to December 3, 2019
Rite Aid	January 1, 2006 to November 19, 2019;
Walgreens	January 3, 2006 to January 3, 2020;
Wal-Mart	January 2, 2006 to April 25, 2018

Walgreens
Combination Red Flagged Prescriptions Summary
Lake County and Trumbull County, OH

	Number of Combination Red Flagged Prescriptions	Total Number of Prescriptions
All Prescriptions	226,843	1,007,556
Opioid Prescriptions	175,609	806,193

Red Flag Computation	Flagged	%	%
Flagged for Any of the Red Flag Computation 1-16	226,843	100.0%	22.5%
Red Flag Computation 1	7,414	4.2%	0.9%
Red Flag Computation 2	37,066	21.1%	4.6%
Red Flag Computation 3	29,641	16.9%	3.7%
Red Flag Computation 4	20,385	11.6%	2.5%
Red Flag Computation 5	32,412	14.3%	3.2%
Red Flag Computation 6	8,901	3.9%	0.9%
Red Flag Computation 7	122,923	54.2%	12.2%
Red Flag Computation 8	82,719	36.5%	8.2%
Red Flag Computation 9	9,119	5.2%	1.1%
Red Flag Computation 10	15,135	8.6%	1.9%
Red Flag Computation 11	12,899	7.3%	1.6%
Red Flag Computation 12	27,230	15.5%	3.4%
Red Flag Computation 13	10,193	5.8%	1.3%
Red Flag Computation 14	2,224	1.3%	0.3%
Red Flag Computation 15	71,048	40.5%	8.8%
Red Flag Computation 16	8,772	5.0%	1.1%

Notes:

[1] I summarize the 226,843 prescriptions that were triggered by at least one of the initial 16 red flag computations (1-16), and by at least one of the subsequent 27 red flag computations (17-43).

[2]

Defendant	Date Range
CVS	January 1, 2006 to November 29, 2019
Giant Eagle/HBC	January 1, 2006 to December 3, 2019
Rite Aid	January 1, 2006 to November 19, 2019
Walgreens	January 3, 2006 to January 3, 2020
Wal-Mart	January 2, 2006 to April 25, 2018

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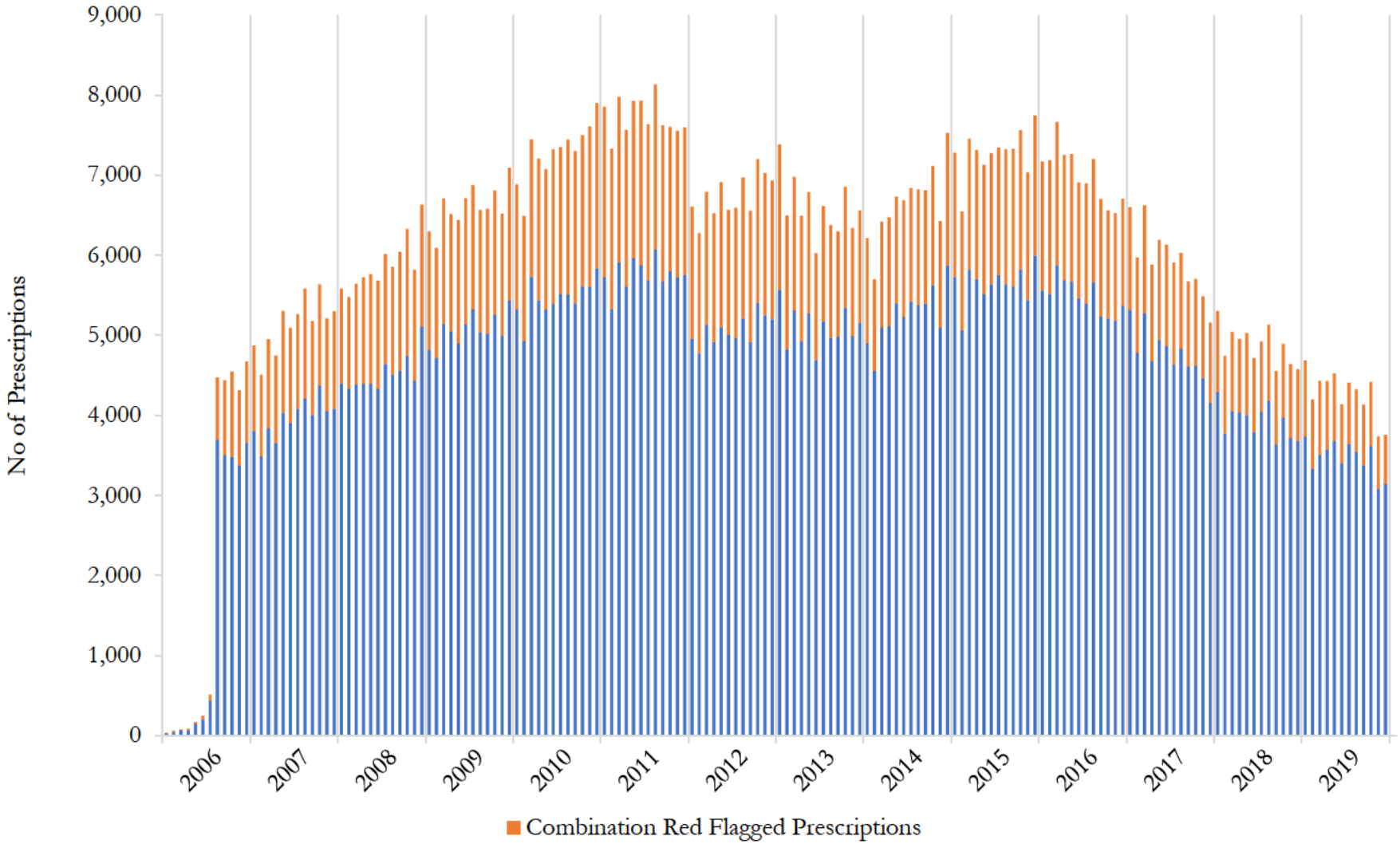
Walgreens Combination Red Flagged Prescriptions
Lake County and Trumbull County, OH



Defendant	Date Range
CVS	January 1, 2006 to November 29, 2019;
Giant Eagle/HBC	January 1, 2006 to December 3, 2019
Rite Aid	January 1, 2006 to November 19, 2019;
Walgreens	January 3, 2006 to January 3, 2020;
Wal-Mart	January 2, 2006 to April 25, 2018

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Walgreens
Combination Red Flagged Prescriptions Summary
Lake County, OH

	Number of Combination Red Flagged Prescriptions	Total Number of Prescriptions
All Prescriptions	98,134	514,287
Opioid Prescriptions	80,894	418,820

Red Flag Computation	Flagged	%	%
Flagged for Any of the Red Flag Computation 1-16	98,134	100.0%	19.1%
Red Flag Computation 1	4,269	5.3%	1.0%
Red Flag Computation 2	20,438	25.3%	4.9%
Red Flag Computation 3	13,398	16.6%	3.2%
Red Flag Computation 4	11,273	13.9%	2.7%
Red Flag Computation 5	14,747	15.0%	2.9%
Red Flag Computation 6	3,244	3.3%	0.6%
Red Flag Computation 7	47,286	48.2%	9.2%
Red Flag Computation 8	24,782	25.3%	4.8%
Red Flag Computation 9	3,281	4.1%	0.8%
Red Flag Computation 10	3,916	4.8%	0.9%
Red Flag Computation 11	3,196	4.0%	0.8%
Red Flag Computation 12	9,309	11.5%	2.2%
Red Flag Computation 13	3,329	4.1%	0.8%
Red Flag Computation 14	638	0.8%	0.2%
Red Flag Computation 15	33,494	41.4%	8.0%
Red Flag Computation 16	4,737	5.9%	1.1%

Notes:

[1] I summarize the 98,134 prescriptions that were triggered by at least one of the initial 16 red flag computations (1-16), and by at least one of the subsequent 27 red flag computations (17-43).

[2]

Defendant	Date Range
CVS	January 1, 2006 to November 29, 2019
Giant Eagle/HBC	January 1, 2006 to December 3, 2019
Rite Aid	January 1, 2006 to November 19, 2019
Walgreens	January 3, 2006 to January 3, 2020
Wal-Mart	January 2, 2006 to April 25, 2018

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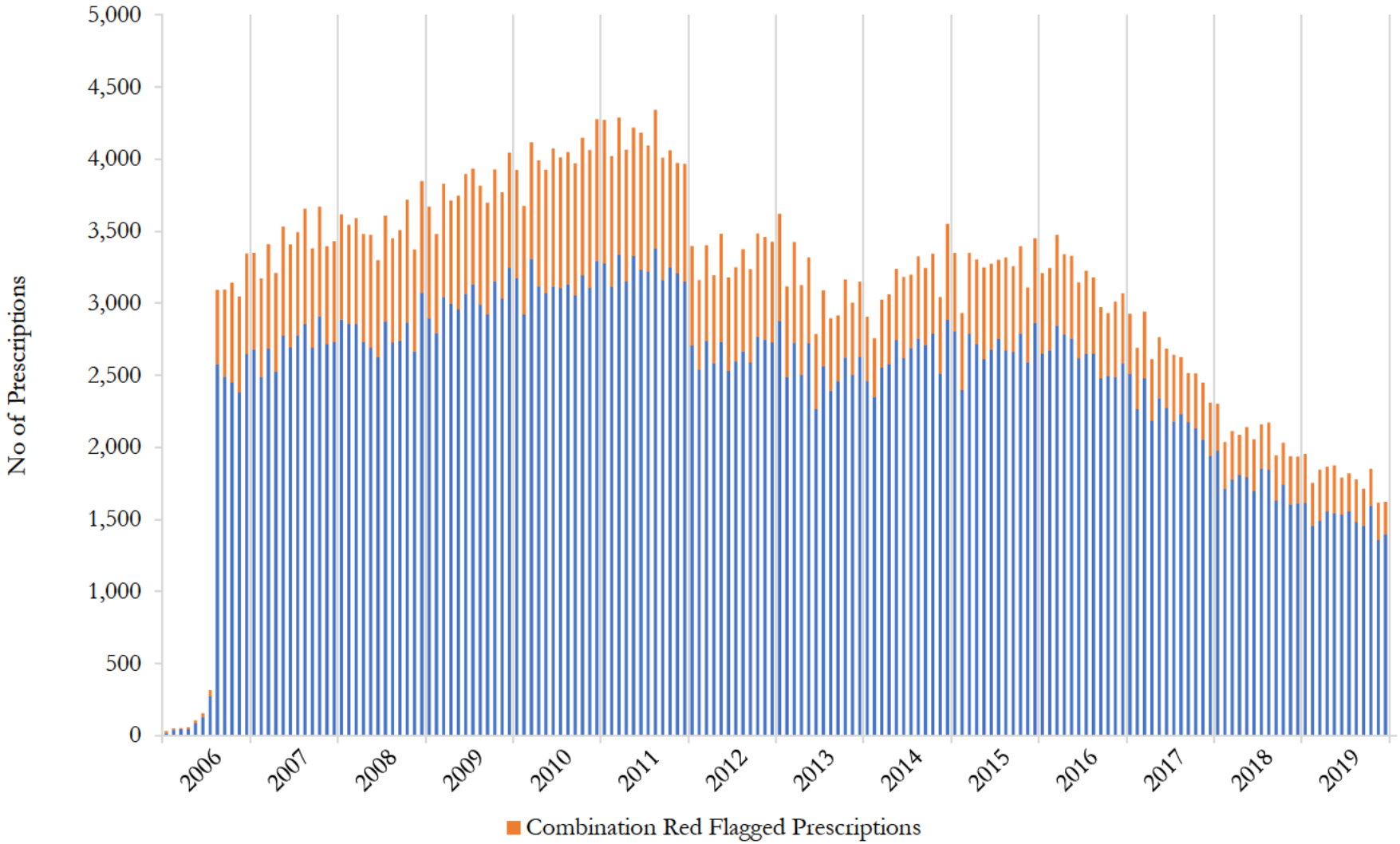
Walgreens Combination Red Flagged Prescriptions
Lake County, OH



Defendant	Date Range
CVS	January 1, 2006 to November 29, 2019;
Giant Eagle/HBC	January 1, 2006 to December 3, 2019
Rite Aid	January 1, 2006 to November 19, 2019;
Walgreens	January 3, 2006 to January 3, 2020;
Wal-Mart	January 2, 2006 to April 25, 2018

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Walgreens
Combination Red Flagged Prescriptions Summary
Trumbull County, OH

	Number of Combination Red Flagged Prescriptions	Total Number of Prescriptions
All Prescriptions	128,709	493,269
Opioid Prescriptions	94,715	387,373

Red Flag Computation	Flagged	%	%
Flagged for Any of the Red Flag Computation 1-16	128,709	100.0%	26.1%
Red Flag Computation 1	3,145	3.3%	0.8%
Red Flag Computation 2	16,628	17.6%	4.3%
Red Flag Computation 3	16,243	17.1%	4.2%
Red Flag Computation 4	9,112	9.6%	2.4%
Red Flag Computation 5	17,665	13.7%	3.6%
Red Flag Computation 6	5,657	4.4%	1.1%
Red Flag Computation 7	75,637	58.8%	15.3%
Red Flag Computation 8	57,937	45.0%	11.7%
Red Flag Computation 9	5,838	6.2%	1.5%
Red Flag Computation 10	11,219	11.8%	2.9%
Red Flag Computation 11	9,703	10.2%	2.5%
Red Flag Computation 12	17,921	18.9%	4.6%
Red Flag Computation 13	6,864	7.2%	1.8%
Red Flag Computation 14	1,586	1.7%	0.4%
Red Flag Computation 15	37,554	39.6%	9.7%
Red Flag Computation 16	4,035	4.3%	1.0%

Notes:

[1] I summarize the 128,709 prescriptions that were triggered by at least one of the initial 16 red flag computations (1-16), and by at least one of the subsequent 27 red flag computations (17-43).

[2]

Defendant	Date Range
CVS	January 1, 2006 to November 29, 2019
Giant Eagle/HBC	January 1, 2006 to December 3, 2019
Rite Aid	January 1, 2006 to November 19, 2019
Walgreens	January 3, 2006 to January 3, 2020
Wal-Mart	January 2, 2006 to April 25, 2018

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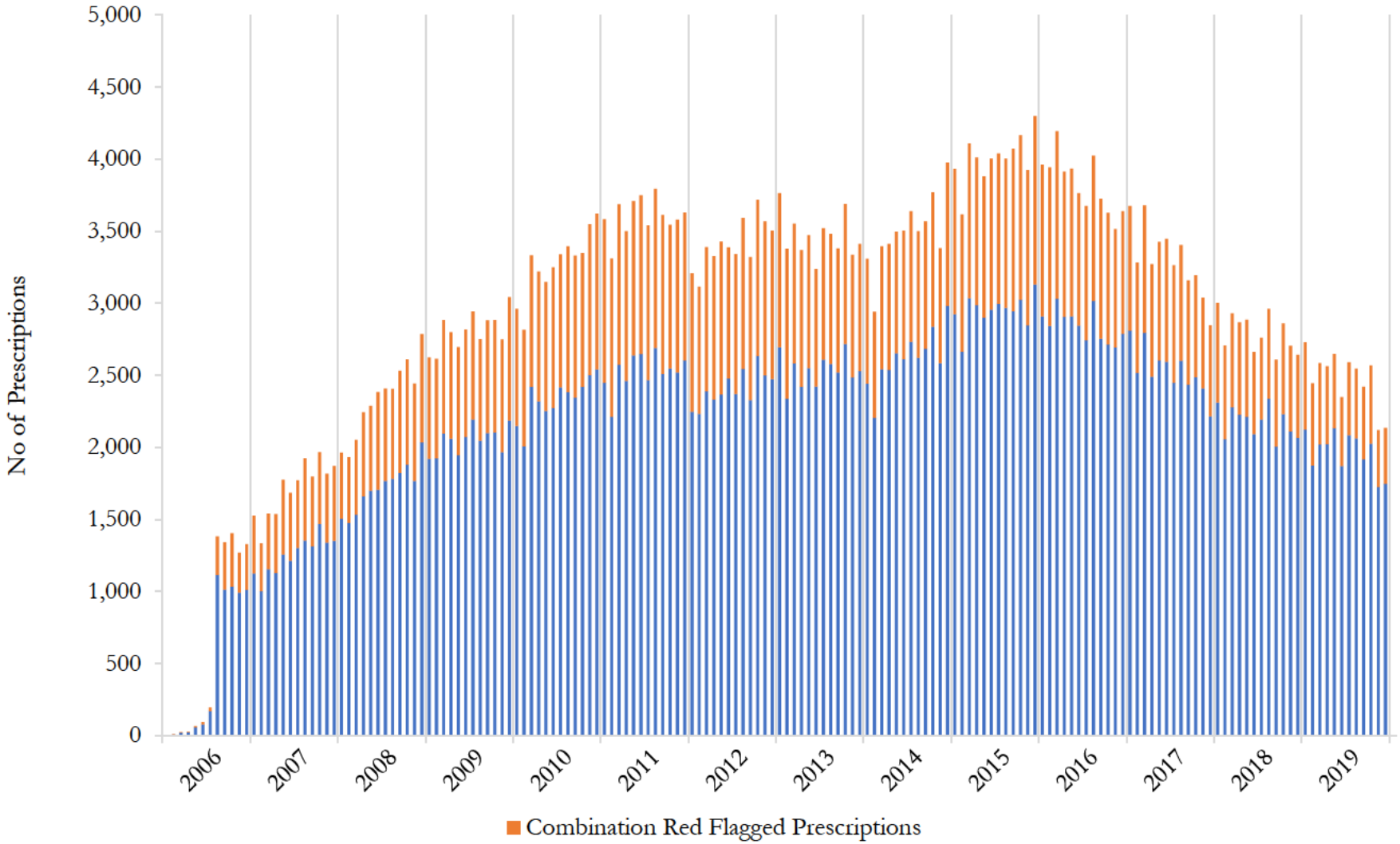
Walgreens Combination Red Flagged Prescriptions
Trumbull County, OH



Defendant	Date Range
CVS	January 1, 2006 to November 29, 2019;
Giant Eagle/HBC	January 1, 2006 to December 3, 2019
Rite Aid	January 1, 2006 to November 19, 2019;
Walgreens	January 3, 2006 to January 3, 2020;
Wal-Mart	January 2, 2006 to April 25, 2018

B. Combination Red Flagged Prescriptions – Red Flag Computation 1-16 Summary by Year

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All Defendants Combination Red Flagged Prescriptions Summary
Lake County and Trumbull County, OH
Red Flag Computation 1-16, in # of Prescriptions

	Total	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Total # of Combination Red Flagged Prescriptions	884,166	43,526	58,588	68,204	74,494	82,107	90,061	83,555	74,435	68,853	67,050	59,935	46,974	36,800	29,584
Total # of Combination Red Flagged Opioid Prescriptions	690,028	33,407	45,079	53,316	57,943	63,965	70,668	65,646	58,076	54,007	52,630	46,777	36,487	28,633	23,394
Red Flag Computation 1	34,242	1,682	2,275	2,514	3,033	3,431	3,960	3,426	2,925	2,811	2,467	1,998	1,563	1,240	917
	4.96%	5.03%	5.05%	4.72%	5.23%	5.36%	5.60%	5.22%	5.04%	5.20%	4.69%	4.27%	4.28%	4.33%	3.92%
Red Flag Computation 2	190,395	8,692	11,573	13,236	13,508	16,570	19,546	18,297	16,962	15,998	15,537	13,610	11,259	8,854	6,753
	27.59%	26.02%	25.67%	24.83%	23.31%	25.90%	27.66%	27.87%	29.21%	29.62%	29.52%	29.10%	30.86%	30.92%	28.87%
Red Flag Computation 3	110,400	5,711	8,048	9,872	10,685	11,125	11,892	10,826	9,355	8,488	7,700	6,797	4,199	3,210	2,492
	16.00%	17.10%	17.85%	18.52%	18.44%	17.39%	16.83%	16.49%	16.11%	15.72%	14.63%	14.53%	11.51%	11.21%	10.65%
Red Flag Computation 4	54,788	2,056	3,184	4,164	4,944	5,064	5,354	5,519	5,387	4,972	5,171	3,627	2,360	1,770	1,216
	7.94%	6.15%	7.06%	7.81%	8.53%	7.92%	7.58%	8.41%	9.28%	9.21%	9.83%	7.75%	6.47%	6.18%	5.20%
Red Flag Computation 5	119,732	5,855	9,112	9,761	11,782	12,897	13,577	11,950	10,208	8,744	7,774	6,730	4,955	3,581	2,806
	13.54%	13.45%	15.55%	14.31%	15.82%	15.71%	15.08%	14.30%	13.71%	12.70%	11.59%	11.23%	10.55%	9.73%	9.48%
Red Flag Computation 6	33,481	1,652	2,970	3,259	3,627	3,490	3,775	3,548	2,683	2,218	2,006	1,629	1,138	784	702
	3.79%	3.80%	5.07%	4.78%	4.87%	4.25%	4.19%	4.25%	3.60%	3.22%	2.99%	2.72%	2.42%	2.13%	2.37%
Red Flag Computation 7	467,057	23,795	31,439	35,969	40,004	43,398	46,654	42,825	39,329	36,276	35,532	32,227	25,136	19,749	14,724
	52.82%	54.67%	53.66%	52.74%	53.70%	52.86%	51.80%	51.25%	52.84%	52.69%	52.99%	53.77%	53.51%	53.67%	49.77%
Red Flag Computation 8	311,492	15,997	20,901	23,467	25,701	28,180	30,196	28,326	26,308	24,140	23,825	21,932	17,819	14,110	10,590
	35.23%	36.75%	35.67%	34.41%	34.50%	34.32%	33.53%	33.90%	35.34%	35.06%	35.53%	36.59%	37.93%	38.34%	35.80%
Red Flag Computation 9	34,276	1,050	1,700	2,400	2,480	2,913	4,005	3,146	2,816	3,030	3,645	3,162	1,760	1,145	1,024
	4.97%	3.14%	3.77%	4.50%	4.28%	4.55%	5.67%	4.79%	4.85%	5.61%	6.93%	6.76%	4.82%	4.00%	4.38%
Red Flag Computation 10	51,282	2,255	2,788	3,703	4,436	4,949	5,908	4,844	3,451	2,832	3,080	2,362	1,329	676	8,669
	7.43%	6.75%	6.18%	6.95%	7.66%	7.74%	8.36%	7.38%	5.94%	5.24%	5.85%	5.05%	3.64%	2.36%	37.06%
Red Flag Computation 11	44,545	2,255	2,788	3,703	4,436	4,949	5,908	4,844	3,451	2,832	3,080	2,362	1,329	676	1,932
	6.46%	6.75%	6.18%	6.95%	7.66%	7.74%	8.36%	7.38%	5.94%	5.24%	5.85%	5.05%	3.64%	2.36%	8.26%
Red Flag Computation 12	72,146	1,598	2,361	2,966	4,450	5,669	7,314	7,077	5,643	5,964	7,281	6,984	6,069	4,966	3,804
	10.46%	4.78%	5.24%	5.56%	7.68%	8.86%	10.35%	10.78%	9.72%	11.04%	13.83%	14.93%	16.63%	17.34%	16.26%
Red Flag Computation 13	48,536	2,358	3,036	3,870	4,500	5,349	6,704	6,661	2,907	2,408	2,825	2,745	2,125	1,683	1,365
	7.03%	7.06%	6.73%	7.26%	7.77%	8.36%	9.49%	10.15%	5.01%	4.46%	5.37%	5.87%	5.82%	5.88%	5.83%
Red Flag Computation 14	12,802	837	1,299	1,599	1,955	1,880	2,087	1,491	1,037	617	0	0	0	0	0
	1.86%	2.51%	2.88%	3.00%	3.37%	2.94%	2.95%	2.27%	1.79%	1.14%	0.00%	0.00%	0.00%	0.00%	0.00%
Red Flag Computation 15	269,780	12,609	19,154	24,033	26,137	28,104	29,961	25,818	22,385	19,882	18,758	16,301	11,669	8,654	6,315
	39.10%	37.74%	42.49%	45.08%	45.11%	43.94%	42.40%	39.33%	38.54%	36.81%	35.64%	34.85%	31.98%	30.22%	26.99%
Red Flag Computation 16	38,600	1,881	2,898	4,602	4,530	4,474	5,173	4,260	3,277	2,101	1,460	1,030	923	1,124	867
	5.59%	5.63%	6.43%	8.63%	7.82%	6.99%	7.32%	6.49%	5.64%	3.89%	2.77%	2.20%	2.53%	3.93%	3.71%
Flagged for Any of the Red Flag Computation 1-16	884,166	43,526	58,588	68,204	74,494	82,107	90,061	83,555	74,435	68,853	67,050	59,935	46,974	36,800	29,584
	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%

Notes

Defendant	Date Range
CVS	January 1, 2006 to November 29, 2019
Giant Eagle/HBC	January 1, 2006 to December 3, 2019
Rite Aid	January 1, 2006 to November 19, 2019
Walgreens	January 3, 2006 to January 3, 2020
Wal-Mart	January 2, 2006 to April 25, 2018

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All Defendants Combination Red Flagged Prescriptions Summary
Lake County and Trumbull County, OH
Red Flag Computation 1-16, in Dosage Units

	Total	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Total Dosage Units of Combination Red Flagged Prescriptions	66,225,296	2,914,963	4,150,563	5,054,609	5,674,987	6,272,146	7,051,948	6,486,145	5,666,135	5,149,225	4,948,589	4,469,724	3,543,108	2,716,341	2,126,813
Total Dosage Units of Combination Red Flagged Opioid Prescriptions	53,924,978	2,279,871	3,298,089	4,120,321	4,605,040	5,113,402	5,828,091	5,360,189	4,647,871	4,205,022	4,037,207	3,633,937	2,876,502	2,181,913	1,737,523
Red Flag Computation 1	2,826,568	120,628	171,794	200,146	249,824	297,590	364,342	307,220	249,576	228,172	195,213	155,040	125,355	93,085	68,583
	5.24%	5.29%	5.21%	4.86%	5.43%	5.82%	6.25%	5.73%	5.37%	5.43%	4.84%	4.27%	4.36%	4.27%	3.95%
Red Flag Computation 2	13,533,670	546,459	774,909	987,426	1,051,900	1,254,230	1,501,000	1,371,123	1,193,898	1,068,437	1,013,291	945,339	784,641	610,227	430,790
	25.10%	23.97%	23.50%	23.96%	22.84%	24.53%	25.75%	25.58%	25.69%	25.41%	25.10%	26.01%	27.28%	27.97%	24.79%
Red Flag Computation 3	7,382,057	356,855	528,529	676,244	740,791	771,140	823,572	740,686	622,202	551,404	503,652	450,914	275,983	195,294	144,791
	13.69%	15.65%	16.03%	16.41%	16.09%	15.08%	14.13%	13.82%	13.39%	13.11%	12.48%	12.41%	9.59%	8.95%	8.33%
Red Flag Computation 4	4,369,214	138,352	229,984	318,463	375,420	389,365	431,459	462,940	440,526	408,397	422,587	300,194	199,893	146,834	104,800
	8.10%	6.07%	6.97%	7.73%	8.15%	7.61%	7.40%	8.64%	9.48%	9.71%	10.47%	8.26%	6.95%	6.73%	6.03%
Red Flag Computation 5	9,353,008	449,516	697,912	776,352	938,153	996,111	1,079,435	956,462	801,150	677,650	595,167	526,194	373,758	276,837	208,311
	14.12%	15.42%	16.81%	15.36%	16.53%	15.88%	15.31%	14.75%	14.14%	13.16%	12.03%	11.77%	10.55%	10.19%	9.79%
Red Flag Computation 6	2,689,221	136,077	238,139	264,608	292,891	279,132	298,426	283,536	211,728	173,201	160,444	137,156	89,541	65,992	58,350
	4.06%	4.67%	5.74%	5.23%	5.16%	4.45%	4.23%	4.37%	3.74%	3.36%	3.24%	3.07%	2.53%	2.43%	2.74%
Red Flag Computation 7	35,069,791	1,647,585	2,240,930	2,661,520	2,996,384	3,240,366	3,559,148	3,280,100	2,980,225	2,761,691	2,705,244	2,451,701	1,939,239	1,512,012	1,093,646
	52.96%	56.52%	53.99%	52.66%	52.80%	51.66%	50.47%	50.57%	52.60%	53.63%	54.67%	54.85%	54.73%	55.66%	51.42%
Red Flag Computation 8	23,678,202	1,133,440	1,504,434	1,721,144	1,933,231	2,111,813	2,287,901	2,171,303	2,000,188	1,875,826	1,868,209	1,715,544	1,407,835	1,125,112	822,222
	35.75%	38.88%	36.25%	34.05%	34.07%	33.67%	32.44%	33.48%	35.30%	36.43%	37.75%	38.38%	39.73%	41.42%	38.66%
Red Flag Computation 9	3,162,109	78,801	149,672	262,694	253,401	294,902	402,808	308,561	266,845	255,203	293,261	255,983	150,593	97,185	92,200
	5.86%	3.46%	4.54%	6.38%	5.50%	5.77%	6.91%	5.76%	5.74%	6.07%	7.26%	7.04%	5.24%	4.45%	5.31%
Red Flag Computation 10	5,263,867	168,879	234,446	363,616	452,343	501,736	654,844	555,337	384,019	328,017	344,700	246,979	153,419	90,112	785,420
	9.76%	7.41%	7.11%	8.82%	9.82%	9.81%	11.24%	10.36%	8.26%	7.80%	8.54%	6.80%	5.33%	4.13%	45.20%
Red Flag Computation 11	4,664,895	168,879	234,446	363,616	452,343	501,736	654,844	555,337	384,019	328,017	344,700	246,979	153,419	90,112	186,448
	8.65%	7.41%	7.11%	8.82%	9.82%	9.81%	11.24%	10.36%	8.26%	7.80%	8.54%	6.80%	5.33%	4.13%	10.73%
Red Flag Computation 12	7,531,021	110,360	254,206	330,318	509,578	684,522	897,190	843,509	632,016	601,083	665,960	647,396	558,108	450,663	346,112
	13.97%	4.84%	7.71%	8.02%	11.07%	13.39%	15.39%	15.74%	13.60%	14.29%	16.50%	17.82%	19.40%	20.65%	19.92%
Red Flag Computation 13	4,658,662	144,804	248,459	339,724	423,805	529,186	680,759	668,413	333,939	267,691	275,386	263,680	195,460	158,833	128,523
	8.64%	6.35%	7.53%	8.25%	9.20%	10.35%	11.68%	12.47%	7.18%	6.37%	6.82%	7.26%	6.80%	7.28%	7.40%
Red Flag Computation 14	1,223,647	76,843	123,574	151,768	183,396	175,268	212,330	144,270	99,606	56,592	0	0	0	0	0
	2.27%	3.37%	3.75%	3.68%	3.98%	3.43%	3.64%	2.69%	2.14%	1.35%	0.00%	0.00%	0.00%	0.00%	0.00%
Red Flag Computation 15	22,861,739	966,648	1,544,092	2,046,815	2,262,684	2,406,017	2,687,282	2,334,602	1,971,379	1,707,162	1,524,665	1,292,736	951,399	670,593	495,665
	42.40%	42.40%	46.82%	49.68%	49.13%	47.05%	46.11%	43.55%	42.41%	40.60%	37.77%	35.57%	33.07%	30.73%	28.53%
Red Flag Computation 16	2,361,206	120,215	182,949	278,140	296,352	290,030	358,942	240,275	188,412	116,324	78,291	49,548	50,378	61,381	49,969
	4.38%	5.27%	5.55%	6.75%	6.44%	5.67%	6.16%	4.48%	4.05%	2.77%	1.94%	1.36%	1.75%	2.81%	2.88%
Flagged for Any of the Red Flag Computation 1-16	66,225,296	2,914,963	4,150,563	5,054,609	5,674,987	6,272,146	7,051,948	6,486,145	5,666,135	5,149,225	4,948,589	4,469,724	3,543,108	2,716,341	2,126,813
	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%

Notes

Defendant	Date Range
CVS	January 1, 2006 to November 29, 2019
Giant Eagle/HBC	January 1, 2006 to December 3, 2019
Rite Aid	January 1, 2006 to November 19, 2019
Walgreens	January 3, 2006 to January 3, 2020
Wal-Mart	January 2, 2006 to April 25, 2018

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All Defendants Combination Red Flagged Prescriptions Summary
Lake County and Trumbull County, OH
Red Flag Computation 1-16, in MME

	Total	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Total MME of Combination Red Flagged Prescriptions	987,909,741	44,254,242	60,492,022	81,006,568	90,130,184	98,010,543	113,629,447	99,263,626	83,101,849	72,739,486	72,938,366	63,199,701	47,618,823	34,628,544	26,896,338
Total MME of Combination Red Flagged Opioid Prescriptions	987,909,741	44,254,242	60,492,022	81,006,568	90,130,184	98,010,543	113,629,447	99,263,626	83,101,849	72,739,486	72,938,366	63,199,701	47,618,823	34,628,544	26,896,338
Red Flag Computation 1	62,181,660	2,428,197	3,248,165	4,231,715	6,245,215	7,674,760	9,290,202	7,067,085	5,489,268	4,671,488	4,202,596	3,112,469	2,122,011	1,464,445	934,045
	6.29%	5.49%	5.37%	5.22%	6.93%	7.83%	8.18%	7.12%	6.61%	6.42%	5.76%	4.92%	4.46%	4.23%	3.47%
Red Flag Computation 2	254,975,499	10,507,495	15,274,116	20,841,439	21,811,993	26,272,367	30,945,003	25,254,759	22,019,546	18,633,567	18,102,845	16,304,105	12,851,255	9,634,117	6,522,891
	25.81%	23.74%	25.25%	25.73%	24.20%	26.81%	27.23%	25.44%	26.50%	25.62%	24.82%	25.80%	26.99%	27.82%	24.25%
Red Flag Computation 3	131,906,259	6,868,454	9,568,320	13,170,442	13,864,941	14,177,904	15,187,572	12,837,782	10,724,966	9,127,110	8,313,602	7,854,086	4,576,087	3,190,021	2,444,971
	13.35%	15.52%	15.82%	16.26%	15.38%	14.47%	13.37%	12.93%	12.91%	12.55%	11.40%	12.43%	9.61%	9.21%	9.09%
Red Flag Computation 4	99,666,339	3,820,893	5,452,686	7,972,209	9,098,959	8,991,867	10,293,973	11,029,691	10,065,178	8,976,368	9,153,185	6,225,285	3,953,816	2,708,456	1,923,773
	10.09%	8.63%	9.01%	9.84%	10.10%	9.17%	9.06%	11.11%	12.11%	12.34%	12.55%	9.85%	8.30%	7.82%	7.15%
Red Flag Computation 5	105,914,577	5,043,052	6,886,155	8,327,074	11,511,825	12,129,698	13,703,174	11,516,720	9,112,420	7,234,169	6,539,091	5,362,977	3,587,842	2,857,986	2,102,395
	10.72%	11.40%	11.38%	10.28%	12.77%	12.38%	12.06%	11.60%	10.97%	9.95%	8.97%	8.49%	7.53%	8.25%	7.82%
Red Flag Computation 6	24,632,388	1,134,928	1,842,246	2,232,144	2,711,857	2,871,950	3,261,912	2,785,021	2,043,361	1,707,051	1,404,057	1,025,269	588,156	516,295	508,140
	2.49%	2.56%	3.05%	2.76%	3.01%	2.93%	2.87%	2.81%	2.46%	2.35%	1.92%	1.62%	1.24%	1.49%	1.89%
Red Flag Computation 7	449,643,932	20,478,523	28,160,207	37,586,623	41,444,489	43,442,154	48,597,253	43,906,884	37,839,621	33,591,847	34,314,978	29,347,016	21,950,413	16,872,615	12,111,309
	45.51%	46.27%	46.55%	46.40%	45.98%	44.32%	42.77%	44.23%	45.53%	46.18%	47.05%	46.44%	46.10%	48.72%	45.03%
Red Flag Computation 8	245,884,458	11,425,462	15,203,406	18,896,715	20,944,061	23,075,491	25,644,985	23,260,054	20,394,845	18,357,121	19,543,710	16,858,637	13,415,356	10,837,426	8,027,190
	24.89%	25.82%	25.13%	23.33%	23.24%	23.54%	22.57%	23.43%	24.54%	25.24%	26.79%	26.68%	28.17%	31.30%	29.84%
Red Flag Computation 9	65,140,021	1,384,956	3,014,110	6,390,324	5,345,009	6,412,584	8,124,653	6,524,281	5,569,661	5,115,623	5,772,136	4,917,959	2,870,153	1,893,321	1,805,252
	6.59%	3.13%	4.98%	7.89%	5.93%	6.54%	7.15%	6.57%	6.70%	7.03%	7.91%	7.78%	6.03%	5.47%	6.71%
Red Flag Computation 10	320,437,956	15,666,202	20,368,064	29,763,240	33,722,201	35,945,281	43,189,557	35,152,304	24,477,164	18,434,948	19,058,783	13,581,028	7,986,438	4,964,148	18,128,601
	32.44%	35.40%	33.67%	36.74%	37.41%	36.67%	38.01%	35.41%	29.45%	25.34%	26.13%	21.49%	16.77%	14.34%	67.40%
Red Flag Computation 11	310,590,708	15,666,202	20,368,064	29,763,240	33,722,201	35,945,281	43,189,557	35,152,304	24,477,164	18,434,948	19,058,783	13,581,028	7,986,438	4,964,148	8,281,352
	31.44%	35.40%	33.67%	36.74%	37.41%	36.67%	38.01%	35.41%	29.45%	25.34%	26.13%	21.49%	16.77%	14.34%	30.79%
Red Flag Computation 12	99,295,517	1,150,820	2,298,485	3,506,658	7,062,113	10,532,753	15,165,343	12,402,619	7,281,610	6,666,655	8,305,648	8,114,790	7,112,245	5,456,428	4,239,353
	10.05%	2.60%	3.80%	4.33%	7.84%	10.75%	13.35%	12.49%	8.76%	9.17%	11.39%	12.84%	14.94%	15.76%	15.76%
Red Flag Computation 13	50,554,279	1,243,963	2,103,953	2,996,405	4,394,615	6,009,753	7,915,738	7,032,854	3,513,095	2,824,198	3,280,038	3,217,643	2,489,790	1,932,118	1,600,120
	5.12%	2.81%	3.48%	3.70%	4.88%	6.13%	6.97%	7.09%	4.23%	3.88%	4.50%	5.09%	5.23%	5.58%	5.95%
Red Flag Computation 14	9,454,538	569,442	944,095	1,181,278	1,404,053	1,415,290	1,646,585	1,100,684	757,582	435,532	0	0	0	0	0
	0.96%	1.29%	1.56%	1.46%	1.56%	1.44%	1.45%	1.11%	0.91%	0.60%	0.00%	0.00%	0.00%	0.00%	0.00%
Red Flag Computation 15	587,331,817	27,939,587	39,015,434	56,319,985	61,096,210	62,926,798	70,935,462	59,564,183	48,197,633	40,718,013	39,777,557	32,347,342	22,524,533	15,253,249	10,715,834
	59.45%	63.13%	64.50%	69.53%	67.79%	64.20%	62.43%	60.01%	58.00%	55.98%	54.54%	51.18%	47.30%	44.05%	39.84%
Red Flag Computation 16	33,809,603	1,359,853	2,259,146	3,524,675	3,966,185	4,328,793	6,136,121	3,567,471	2,804,194	1,750,139	1,127,664	702,849	745,415	841,149	695,950
	3.42%	3.07%	3.73%	4.35%	4.40%	4.42%	5.40%	3.59%	3.37%	2.41%	1.55%	1.11%	1.57%	2.43%	2.59%
Flagged for Any of the Red Flag Computation 1-16	987,909,741	44,254,242	60,492,022	81,006,568	90,130,184	98,010,543	113,629,447	99,263,626	83,101,849	72,739,486	72,938,366	63,199,701	47,618,823	34,628,544	26,896,338
	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%

Notes

Defendant	Date Range
CVS	January 1, 2006 to November 29, 2019
Giant Eagle/HBC	January 1, 2006 to December 3, 2019
Rite Aid	January 1, 2006 to November 19, 2019
Walgreens	January 3, 2006 to January 3, 2020
Wal-Mart	January 2, 2006 to April 25, 2018

CONFIDENTIAL – SUBJECT TO PROTECTIVE ORDER

All Defendants Combination Red Flagged Prescriptions Summary
Lake County, OH
Red Flag Computation 1-16, in # of Prescriptions

	Total	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Total # of Combination Red Flagged Prescriptions	367,021	15,418	24,242	28,199	32,055	36,204	41,036	37,130	33,093	29,406	27,323	22,951	17,262	12,537	10,165
Total # of Combination Red Flagged Opioid Prescriptions	303,723	12,414	19,566	23,135	26,231	29,617	33,796	30,855	27,435	24,320	22,707	19,226	14,768	10,793	8,860
Red Flag Computation 1	21,897	948	1,315	1,487	1,935	2,231	2,641	2,327	1,918	1,858	1,608	1,300	1,080	752	497
	7.21%	7.64%	6.72%	6.43%	7.38%	7.53%	7.81%	7.54%	6.99%	7.64%	7.08%	6.76%	7.31%	6.97%	5.61%
Red Flag Computation 2	100,406	3,756	5,455	6,019	6,657	8,719	11,319	10,366	9,660	8,683	8,823	7,520	6,010	4,137	3,282
	33.06%	30.26%	27.88%	26.02%	25.38%	29.44%	33.49%	33.60%	35.21%	35.70%	38.86%	39.11%	40.70%	38.33%	37.04%
Red Flag Computation 3	48,190	2,391	3,795	4,262	4,648	5,109	5,279	4,618	4,291	3,663	3,381	2,846	1,759	1,156	992
	15.87%	19.26%	19.40%	18.42%	17.72%	17.25%	15.62%	14.97%	15.64%	15.06%	14.89%	14.80%	11.91%	10.71%	11.20%
Red Flag Computation 4	25,952	852	1,713	2,193	2,545	2,690	2,644	2,568	2,469	2,104	1,936	1,696	1,216	757	569
	8.54%	6.86%	8.75%	9.48%	9.70%	9.08%	7.82%	8.32%	9.00%	8.65%	8.53%	8.82%	8.23%	7.01%	6.42%
Red Flag Computation 5	51,399	2,403	4,082	4,193	5,483	6,280	6,049	5,032	4,375	3,941	3,375	2,502	1,692	1,120	872
	14.00%	15.59%	16.84%	14.87%	17.10%	17.35%	14.74%	13.55%	13.22%	13.40%	12.35%	10.90%	9.80%	8.93%	8.58%
Red Flag Computation 6	11,695	547	1,027	1,121	1,349	1,406	1,493	1,325	911	854	619	432	284	181	146
	3.19%	3.55%	4.24%	3.98%	4.21%	3.88%	3.64%	3.57%	2.75%	2.90%	2.27%	1.88%	1.65%	1.44%	1.44%
Red Flag Computation 7	169,604	7,263	11,465	13,343	15,392	16,908	18,900	16,541	15,231	13,833	13,018	10,729	7,485	5,490	4,006
	46.21%	47.11%	47.29%	47.32%	48.02%	46.70%	46.06%	44.55%	46.02%	47.04%	47.64%	46.75%	43.36%	43.79%	39.41%
Red Flag Computation 8	92,119	4,190	6,403	7,295	8,017	9,172	10,490	9,270	8,387	7,478	6,907	5,698	3,910	2,788	2,114
	25.10%	27.18%	26.41%	25.87%	25.01%	25.33%	25.56%	24.97%	25.34%	25.43%	25.28%	24.83%	22.65%	22.24%	20.80%
Red Flag Computation 9	14,337	446	764	1,235	1,285	1,545	1,951	1,586	1,355	1,133	1,035	805	511	314	372
	4.72%	3.59%	3.90%	5.34%	4.90%	5.22%	5.77%	5.14%	4.94%	4.66%	4.56%	4.19%	3.46%	2.91%	4.20%
Red Flag Computation 10	15,351	614	872	1,134	1,328	1,475	1,827	1,432	1,102	925	947	616	313	178	2,588
	5.05%	4.95%	4.46%	4.90%	5.06%	4.98%	5.41%	4.64%	4.02%	3.80%	4.17%	3.20%	2.12%	1.65%	29.21%
Red Flag Computation 11	13,427	614	872	1,134	1,328	1,475	1,827	1,432	1,102	925	947	616	313	178	664
	4.42%	4.95%	4.46%	4.90%	5.06%	4.98%	5.41%	4.64%	4.02%	3.80%	4.17%	3.20%	2.12%	1.65%	7.49%
Red Flag Computation 12	23,704	531	1,102	1,292	1,986	2,429	3,057	3,015	2,122	1,795	1,313	1,352	1,357	1,358	995
	7.80%	4.28%	5.63%	5.58%	7.57%	8.20%	9.05%	9.77%	7.73%	7.38%	5.78%	7.03%	9.19%	12.58%	11.23%
Red Flag Computation 13	17,762	664	1,020	1,435	1,806	2,231	3,142	3,164	1,345	734	412	421	557	438	393
	5.85%	5.35%	5.21%	6.20%	6.88%	7.53%	9.30%	10.25%	4.90%	3.02%	1.81%	2.19%	3.77%	4.06%	4.44%
Red Flag Computation 14	5,194	330	515	599	742	687	872	653	493	303	0	0	0	0	0
	1.71%	2.66%	2.63%	2.59%	2.83%	2.32%	2.58%	2.12%	1.80%	1.25%	0.00%	0.00%	0.00%	0.00%	0.00%
Red Flag Computation 15	122,079	4,959	8,883	10,741	12,381	13,629	13,993	12,034	10,828	9,131	7,896	6,647	4,994	3,339	2,624
	40.19%	39.95%	45.40%	46.43%	47.20%	46.02%	41.40%	39.00%	39.47%	37.55%	34.77%	34.57%	33.82%	30.94%	29.62%
Red Flag Computation 16	23,110	1,086	1,638	2,606	2,875	2,834	3,155	2,464	1,918	1,194	944	700	537	633	526
	7.61%	8.75%	8.37%	11.26%	10.96%	9.57%	9.34%	7.99%	6.99%	4.91%	4.16%	3.64%	3.64%	5.86%	5.94%
Flagged for Any of the Red Flag Computation 1-16	367,021	15,418	24,242	28,199	32,055	36,204	41,036	37,130	33,093	29,406	27,323	22,951	17,262	12,537	10,165
	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%

Notes

Defendant	Date Range
CVS	January 1, 2006 to November 29, 2019
Giant Eagle/HBC	January 1, 2006 to December 3, 2019
Rite Aid	January 1, 2006 to November 19, 2019
Walgreens	January 3, 2006 to January 3, 2020
Wal-Mart	January 2, 2006 to April 25, 2018

CONFIDENTIAL – SUBJECT TO PROTECTIVE ORDER

All Defendants Combination Red Flagged Prescriptions Summary
Lake County, OH
Red Flag Computation 1-16, in Dosage Units

	Total	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Total Dosage Units of Combination Red Flagged Prescriptions	26,537,321	1,032,147	1,728,453	2,090,929	2,425,580	2,800,787	3,258,880	2,895,103	2,433,274	2,017,611	1,758,563	1,499,951	1,147,723	788,644	659,676
Total Dosage Units of Combination Red Flagged Opioid Prescriptions	23,008,501	854,666	1,465,978	1,808,661	2,088,390	2,408,282	2,824,970	2,530,968	2,126,719	1,750,789	1,519,792	1,307,064	1,024,638	704,286	593,298
Red Flag Computation 1	1,844,799	71,055	104,807	122,700	166,937	202,460	251,965	215,275	167,532	148,108	122,196	97,394	85,972	53,237	35,161
	8.02%	8.31%	7.15%	6.78%	7.99%	8.41%	8.92%	8.51%	7.88%	8.46%	8.04%	7.45%	8.39%	7.56%	5.93%
Red Flag Computation 2	7,001,595	242,590	384,085	453,208	526,763	669,054	882,715	769,708	664,570	559,668	533,226	484,818	392,802	250,035	188,353
	30.43%	28.38%	26.20%	25.06%	25.22%	27.78%	31.25%	30.41%	31.25%	31.97%	35.09%	37.09%	38.34%	35.50%	31.75%
Red Flag Computation 3	2,936,201	136,411	231,969	274,158	283,561	327,854	331,657	284,193	259,192	214,275	196,075	168,677	106,161	63,006	59,012
	12.76%	15.96%	15.82%	15.16%	13.58%	13.61%	11.74%	11.23%	12.19%	12.24%	12.90%	12.91%	10.36%	8.95%	9.95%
Red Flag Computation 4	1,983,116	57,016	124,047	159,445	182,559	203,104	214,604	210,779	190,496	161,984	147,051	133,001	96,159	57,290	45,581
	8.62%	6.67%	8.46%	8.82%	8.74%	8.43%	7.60%	8.33%	8.96%	9.25%	9.68%	10.18%	9.38%	8.13%	7.68%
Red Flag Computation 5	3,957,752	194,603	306,070	334,080	431,184	484,126	486,022	410,068	338,396	292,781	243,821	187,607	117,099	74,072	57,823
	14.91%	18.85%	17.71%	15.98%	17.78%	17.29%	14.91%	14.16%	13.91%	14.51%	13.86%	12.51%	10.20%	9.39%	8.77%
Red Flag Computation 6	912,585	45,239	75,050	82,667	105,221	112,945	118,574	107,581	70,257	65,384	48,283	36,436	21,265	13,718	9,965
	3.44%	4.38%	4.34%	3.95%	4.34%	4.03%	3.64%	3.72%	2.89%	3.24%	2.75%	2.43%	1.85%	1.74%	1.51%
Red Flag Computation 7	11,524,181	488,695	775,975	945,032	1,071,854	1,204,462	1,397,088	1,200,672	1,045,969	896,046	807,322	663,943	466,372	318,902	241,849
	43.43%	47.35%	44.89%	45.20%	44.19%	43.00%	42.87%	41.47%	42.99%	44.41%	45.91%	44.26%	40.63%	40.44%	36.66%
Red Flag Computation 8	5,978,716	275,219	407,876	473,535	522,558	625,963	748,140	651,150	545,090	460,291	414,052	342,753	230,380	154,861	126,848
	22.53%	26.66%	23.60%	22.65%	21.54%	22.35%	22.96%	22.49%	22.40%	22.81%	23.54%	22.85%	20.07%	19.64%	19.23%
Red Flag Computation 9	1,324,536	31,746	68,254	130,263	130,184	154,962	192,897	162,655	127,933	90,857	75,424	63,463	46,599	20,588	28,711
	5.76%	3.71%	4.66%	7.20%	6.23%	6.43%	6.83%	6.43%	6.02%	5.19%	4.96%	4.86%	4.55%	2.92%	4.84%
Red Flag Computation 10	1,745,484	55,242	87,300	114,948	148,581	169,554	227,367	179,255	135,759	122,989	118,307	77,977	42,966	21,165	244,074
	7.59%	6.46%	5.96%	6.36%	7.11%	7.04%	8.05%	7.08%	6.38%	7.02%	7.78%	5.97%	4.19%	3.01%	41.14%
Red Flag Computation 11	1,565,084	55,242	87,300	114,948	148,581	169,554	227,367	179,255	135,759	122,989	118,307	77,977	42,966	21,165	63,674
	6.80%	6.46%	5.96%	6.36%	7.11%	7.04%	8.05%	7.08%	6.38%	7.02%	7.78%	5.97%	4.19%	3.01%	10.73%
Red Flag Computation 12	2,851,318	45,588	163,397	188,281	284,714	361,112	437,311	430,033	276,275	194,872	96,085	99,952	99,769	96,941	76,988
	12.39%	5.33%	11.15%	10.41%	13.63%	14.99%	15.48%	16.99%	12.99%	11.13%	6.32%	7.65%	9.74%	13.76%	12.98%
Red Flag Computation 13	2,041,504	46,109	111,871	164,305	222,332	287,245	373,828	381,811	184,742	96,501	31,436	32,870	41,636	34,479	32,339
	8.87%	5.39%	7.63%	9.08%	10.65%	11.93%	13.23%	15.09%	8.69%	5.51%	2.07%	2.51%	4.06%	4.90%	5.45%
Red Flag Computation 14	491,331	32,268	50,402	56,790	67,021	62,127	86,636	63,085	45,661	27,341	0	0	0	0	0
	2.14%	3.78%	3.44%	3.14%	3.21%	2.58%	3.07%	2.49%	2.15%	1.56%	0.00%	0.00%	0.00%	0.00%	0.00%
Red Flag Computation 15	10,556,797	401,018	746,387	933,001	1,081,006	1,196,709	1,304,747	1,127,131	960,710	784,295	638,462	526,234	398,179	257,180	201,738
	45.88%	46.92%	50.91%	51.59%	51.76%	49.69%	46.19%	44.53%	45.17%	44.80%	42.01%	40.26%	38.86%	36.52%	34.00%
Red Flag Computation 16	1,449,249	74,741	108,633	160,489	191,135	188,331	236,613	149,407	114,400	65,565	46,576	28,949	27,109	28,629	28,672
	6.30%	8.75%	7.41%	8.87%	9.15%	7.82%	8.38%	5.90%	5.38%	3.74%	3.06%	2.21%	2.65%	4.06%	4.83%
Flagged for Any of the Red Flag Computation 1-16	26,537,321	1,032,147	1,728,453	2,090,929	2,425,580	2,800,787	3,258,880	2,895,103	2,433,274	2,017,611	1,758,563	1,499,951	1,147,723	788,644	659,676
	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%

Notes

Defendant	Date Range
CVS	January 1, 2006 to November 29, 2019
Giant Eagle/HBC	January 1, 2006 to December 3, 2019
Rite Aid	January 1, 2006 to November 19, 2019
Walgreens	January 3, 2006 to January 3, 2020
Wal-Mart	January 2, 2006 to April 25, 2018

CONFIDENTIAL – SUBJECT TO PROTECTIVE ORDER

All Defendants Combination Red Flagged Prescriptions Summary
Lake County, OH
Red Flag Computation 1-16, in MME

	Total	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Total MME of Combination Red Flagged Prescriptions	397,768,462	16,265,605	25,783,736	32,921,070	38,532,104	43,131,064	50,819,905	42,319,650	35,849,259	28,797,770	26,043,695	21,499,386	16,685,158	10,476,462	8,643,596
Total MME of Combination Red Flagged Opioid Prescriptions	397,768,462	16,265,605	25,783,736	32,921,070	38,532,104	43,131,064	50,819,905	42,319,650	35,849,259	28,797,770	26,043,695	21,499,386	16,685,158	10,476,462	8,643,596
Red Flag Computation 1	42,611,598	1,412,365	1,926,108	2,857,385	4,625,642	5,577,399	6,659,950	5,121,523	3,780,681	3,157,407	2,802,143	2,047,235	1,467,970	774,618	401,173
	10.71%	8.68%	7.47%	8.68%	12.00%	12.93%	13.11%	12.10%	10.55%	10.96%	10.76%	9.52%	8.80%	7.39%	4.64%
Red Flag Computation 2	138,641,763	5,387,064	7,789,922	9,844,702	11,916,803	15,223,475	19,324,265	14,489,396	12,592,563	10,051,884	9,691,398	8,694,404	6,834,860	3,948,729	2,852,299
	34.85%	33.12%	30.21%	29.90%	30.93%	35.30%	38.02%	34.24%	35.13%	34.91%	37.21%	40.44%	40.96%	37.69%	33.00%
Red Flag Computation 3	50,105,250	2,582,130	4,214,970	4,882,359	4,906,399	5,925,256	5,890,188	4,545,467	4,128,478	3,147,531	3,113,951	2,939,874	1,727,837	982,265	1,118,546
	12.60%	15.87%	16.35%	14.83%	12.73%	13.74%	11.59%	10.74%	11.52%	10.93%	11.96%	13.67%	10.36%	9.38%	12.94%
Red Flag Computation 4	40,158,260	1,422,046	2,976,545	3,600,289	4,205,534	4,338,978	4,536,148	4,019,244	3,730,500	3,193,556	2,633,448	2,199,835	1,599,315	923,209	779,615
	10.10%	8.74%	11.54%	10.94%	10.91%	10.06%	8.93%	9.50%	10.41%	11.09%	10.11%	10.23%	9.59%	8.81%	9.02%
Red Flag Computation 5	43,610,527	2,301,988	3,075,024	3,531,079	5,278,530	5,793,523	5,681,878	4,912,073	3,737,197	2,891,657	2,537,950	1,752,975	1,047,755	623,521	445,379
	10.96%	14.15%	11.93%	10.73%	13.70%	13.43%	11.18%	11.61%	10.42%	10.04%	9.74%	8.15%	6.28%	5.95%	5.15%
Red Flag Computation 6	7,230,914	453,800	597,909	549,834	766,472	1,076,238	1,144,112	895,970	580,019	457,748	295,881	195,210	112,270	59,798	45,655
	1.82%	2.79%	2.32%	1.67%	1.99%	2.50%	2.25%	2.12%	1.62%	1.59%	1.14%	0.91%	0.67%	0.57%	0.53%
Red Flag Computation 7	149,991,469	6,344,833	10,216,790	13,538,791	15,212,399	15,982,486	18,099,413	15,508,766	13,257,201	11,242,801	10,539,904	7,990,381	5,518,262	3,685,977	2,853,465
	37.71%	39.01%	39.62%	41.13%	39.48%	37.06%	35.61%	36.65%	36.98%	39.04%	40.47%	37.17%	33.07%	35.18%	33.01%
Red Flag Computation 8	57,276,677	2,778,360	4,039,124	4,763,502	5,195,540	6,282,261	7,461,133	6,398,703	5,014,898	4,104,234	4,024,644	2,906,460	1,940,165	1,252,617	1,115,038
	14.40%	17.08%	15.67%	14.47%	13.48%	14.57%	14.68%	15.12%	13.99%	14.25%	15.45%	13.52%	11.63%	11.96%	12.90%
Red Flag Computation 9	27,291,431	601,847	1,301,693	3,220,122	2,719,686	3,119,479	3,894,285	3,421,528	2,572,475	1,831,177	1,469,171	1,286,415	972,130	376,123	505,299
	6.86%	3.70%	5.05%	9.78%	7.06%	7.23%	7.66%	8.08%	7.18%	6.36%	5.64%	5.98%	5.83%	3.59%	5.85%
Red Flag Computation 10	101,341,110	5,102,933	7,069,400	9,250,262	10,901,349	11,873,680	14,392,428	10,701,247	8,094,654	5,723,391	5,480,072	3,716,623	2,213,933	1,144,505	5,676,635
	25.48%	31.37%	27.42%	28.10%	28.29%	27.53%	28.32%	25.29%	22.58%	19.87%	21.04%	17.29%	13.27%	10.92%	65.67%
Red Flag Computation 11	98,357,057	5,102,933	7,069,400	9,250,262	10,901,349	11,873,680	14,392,428	10,701,247	8,094,654	5,723,391	5,480,072	3,716,623	2,213,933	1,144,505	2,692,582
	24.73%	31.37%	27.42%	28.10%	28.29%	27.53%	28.32%	25.29%	22.58%	19.87%	21.04%	17.29%	13.27%	10.92%	31.15%
Red Flag Computation 12	24,936,930	419,798	1,401,778	1,489,771	2,407,313	3,200,765	4,044,715	3,570,224	2,251,300	1,588,695	884,683	935,453	999,210	969,243	773,985
	6.27%	2.58%	5.44%	4.53%	6.25%	7.42%	7.96%	8.44%	6.28%	5.52%	3.40%	4.35%	5.99%	9.25%	8.95%
Red Flag Computation 13	16,818,437	404,910	951,166	1,244,582	1,763,055	2,249,253	3,102,160	3,051,552	1,482,753	767,283	302,793	321,230	447,278	372,995	357,430
	4.23%	2.49%	3.69%	3.78%	4.58%	5.21%	6.10%	7.21%	4.14%	2.66%	1.16%	1.49%	2.68%	3.56%	4.14%
Red Flag Computation 14	3,440,196	220,272	374,000	396,393	475,280	463,083	589,220	420,485	310,528	190,937	0	0	0	0	0
	0.86%	1.35%	1.45%	1.20%	1.23%	1.07%	1.16%	0.99%	0.87%	0.66%	0.00%	0.00%	0.00%	0.00%	0.00%
Red Flag Computation 15	248,085,612	10,622,306	17,328,069	23,055,024	26,661,063	28,642,582	31,240,153	25,510,479	21,710,797	17,555,378	15,231,662	12,060,467	9,173,168	5,290,402	4,004,061
	62.37%	65.31%	67.21%	70.03%	69.19%	66.41%	61.47%	60.28%	60.56%	60.96%	58.49%	56.10%	54.98%	50.50%	46.32%
Red Flag Computation 16	20,666,576	926,361	1,408,078	1,886,188	2,433,356	2,731,895	4,105,977	2,205,069	1,656,129	1,098,477	710,169	453,663	373,014	342,919	335,281
	5.20%	5.70%	5.46%	5.73%	6.32%	6.33%	8.08%	5.21%	4.62%	3.81%	2.73%	2.11%	2.24%	3.27%	3.88%
Flagged for Any of the Red Flag Computation 1-16	397,768,462	16,265,605	25,783,736	32,921,070	38,532,104	43,131,064	50,819,905	42,319,650	35,849,259	28,797,770	26,043,695	21,499,386	16,685,158	10,476,462	8,643,596
	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%

Notes

Defendant	Date Range
CVS	January 1, 2006 to November 29, 2019
Giant Eagle/HBC	January 1, 2006 to December 3, 2019
Rite Aid	January 1, 2006 to November 19, 2019
Walgreens	January 3, 2006 to January 3, 2020
Wal-Mart	January 2, 2006 to April 25, 2018

CONFIDENTIAL – SUBJECT TO PROTECTIVE ORDER

All Defendants Combination Red Flagged Prescriptions Summary
Trumbull County, OH
Red Flag Computation 1-16, in # of Prescriptions

	Total	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Total # of Combination Red Flagged Prescriptions	517,145	28,108	34,346	40,005	42,439	45,903	49,025	46,425	41,342	39,447	39,727	36,984	29,712	24,263	19,419
Total # of Combination Red Flagged Opioid Prescriptions	386,305	20,993	25,513	30,181	31,712	34,348	36,872	34,791	30,641	29,687	29,923	27,551	21,719	17,840	14,534
Red Flag Computation 1	12,345	734	960	1,027	1,098	1,200	1,319	1,099	1,007	953	859	698	483	488	420
	3.20%	3.50%	3.76%	3.40%	3.46%	3.49%	3.58%	3.16%	3.29%	3.21%	2.87%	2.53%	2.22%	2.74%	2.89%
Red Flag Computation 2	89,989	4,936	6,118	7,217	6,851	7,851	8,227	7,931	7,302	7,315	6,714	6,090	5,249	4,717	3,471
	23.29%	23.51%	23.98%	23.91%	21.60%	22.86%	22.31%	22.80%	23.83%	24.64%	22.44%	22.10%	24.17%	26.44%	23.88%
Red Flag Computation 3	62,210	3,320	4,253	5,610	6,037	6,016	6,613	6,208	5,064	4,825	4,319	3,951	2,440	2,054	1,500
	16.10%	15.81%	16.67%	18.59%	19.04%	17.51%	17.94%	17.84%	16.53%	16.25%	14.43%	14.34%	11.23%	11.51%	10.32%
Red Flag Computation 4	28,836	1,204	1,471	1,971	2,399	2,374	2,710	2,951	2,918	2,868	3,235	1,931	1,144	1,013	647
	7.46%	5.74%	5.77%	6.53%	7.56%	6.91%	7.35%	8.48%	9.52%	9.66%	10.81%	7.01%	5.27%	5.68%	4.45%
Red Flag Computation 5	68,333	3,452	5,030	5,568	6,299	6,617	7,528	6,918	5,833	4,803	4,399	4,228	3,263	2,461	1,934
	13.21%	12.28%	14.65%	13.92%	14.84%	14.42%	15.36%	14.90%	14.11%	12.18%	11.07%	11.43%	10.98%	10.14%	9.96%
Red Flag Computation 6	21,786	1,105	1,943	2,138	2,278	2,084	2,282	2,223	1,772	1,364	1,387	1,197	854	603	556
	4.21%	3.93%	5.66%	5.34%	5.37%	4.54%	4.65%	4.79%	4.29%	3.46%	3.49%	3.24%	2.87%	2.49%	2.86%
Red Flag Computation 7	297,453	16,532	19,974	22,626	24,612	26,490	27,754	26,284	24,098	22,443	22,514	21,498	17,651	14,259	10,718
	57.52%	58.82%	58.16%	56.56%	57.99%	57.71%	56.61%	56.62%	58.29%	56.89%	56.67%	58.13%	59.41%	58.77%	55.19%
Red Flag Computation 8	219,373	11,807	14,498	16,172	17,684	19,008	19,706	19,056	17,921	16,662	16,918	16,234	13,909	11,322	8,476
	42.42%	42.01%	42.21%	40.42%	41.67%	41.41%	40.20%	41.05%	43.35%	42.24%	42.59%	43.89%	46.81%	46.66%	43.65%
Red Flag Computation 9	19,939	604	936	1,165	1,195	1,368	2,054	1,560	1,461	1,897	2,610	2,357	1,249	831	652
	5.16%	2.88%	3.67%	3.86%	3.77%	3.98%	5.57%	4.48%	4.77%	6.39%	8.72%	8.56%	5.75%	4.66%	4.49%
Red Flag Computation 10	35,931	1,641	1,916	2,569	3,108	3,474	4,081	3,412	2,349	1,907	2,133	1,746	1,016	498	6,081
	9.30%	7.82%	7.51%	8.51%	9.80%	10.11%	11.07%	9.81%	7.67%	6.42%	7.13%	6.34%	4.68%	2.79%	41.84%
Red Flag Computation 11	31,118	1,641	1,916	2,569	3,108	3,474	4,081	3,412	2,349	1,907	2,133	1,746	1,016	498	1,268
	8.06%	7.82%	7.51%	8.51%	9.80%	10.11%	11.07%	9.81%	7.67%	6.42%	7.13%	6.34%	4.68%	2.79%	8.72%
Red Flag Computation 12	48,442	1,067	1,259	1,674	2,464	3,240	4,257	4,062	3,521	4,169	5,968	5,632	4,712	3,608	2,809
	12.54%	5.08%	4.93%	5.55%	7.77%	9.43%	11.55%	11.68%	11.49%	14.04%	19.94%	20.44%	21.70%	20.22%	19.33%
Red Flag Computation 13	30,774	1,694	2,016	2,435	2,694	3,118	3,562	3,497	1,562	1,674	2,413	2,324	1,568	1,245	972
	7.97%	8.07%	7.90%	8.07%	8.50%	9.08%	9.66%	10.05%	5.10%	5.64%	8.06%	8.44%	7.22%	6.98%	6.69%
Red Flag Computation 14	7,608	507	784	1,000	1,213	1,193	1,215	838	544	314	0	0	0	0	0
	1.97%	2.42%	3.07%	3.31%	3.83%	3.47%	3.30%	2.41%	1.78%	1.06%	0.00%	0.00%	0.00%	0.00%	0.00%
Red Flag Computation 15	147,701	7,650	10,271	13,292	13,756	14,475	15,968	13,784	11,557	10,751	10,862	9,654	6,675	5,315	3,691
	38.23%	36.44%	40.26%	44.04%	43.38%	42.14%	43.31%	39.62%	37.72%	36.21%	36.30%	35.04%	30.73%	29.79%	25.40%
Red Flag Computation 16	15,490	795	1,260	1,996	1,655	1,640	2,018	1,796	1,359	907	516	330	386	491	341
	4.01%	3.79%	4.94%	6.61%	5.22%	4.77%	5.47%	5.16%	4.44%	3.06%	1.72%	1.20%	1.78%	2.75%	2.35%
Flagged for Any of the Red Flag Computation 1-16	517,145	28,108	34,346	40,005	42,439	45,903	49,025	46,425	41,342	39,447	39,727	36,984	29,712	24,263	19,419
	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%

Notes

Defendant	Date Range
CVS	January 1, 2006 to November 29, 2019
Giant Eagle/HBC	January 1, 2006 to December 3, 2019
Rite Aid	January 1, 2006 to November 19, 2019
Walgreens	January 3, 2006 to January 3, 2020
Wal-Mart	January 2, 2006 to April 25, 2018

CONFIDENTIAL – SUBJECT TO PROTECTIVE ORDER

All Defendants Combination Red Flagged Prescriptions Summary
Trumbull County, OH
Red Flag Computation 1-16, in Dosage Units

	Total	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Total Dosage Units of Combination Red Flagged Prescriptions	39,687,975	1,882,816	2,422,110	2,963,680	3,249,407	3,471,359	3,793,068	3,591,042	3,232,861	3,131,614	3,190,026	2,969,773	2,395,385	1,927,697	1,467,137
Total Dosage Units of Combination Red Flagged Opioid Prescriptions	30,916,477	1,425,205	1,832,111	2,311,660	2,516,650	2,705,120	3,003,121	2,829,221	2,521,152	2,454,233	2,517,415	2,326,873	1,851,864	1,477,627	1,144,225
Red Flag Computation 1	981,769	49,573	66,987	77,446	82,887	95,130	112,377	91,945	82,044	80,064	73,017	57,646	39,383	39,848	33,422
	3.18%	3.48%	3.66%	3.35%	3.29%	3.52%	3.74%	3.25%	3.25%	3.26%	2.90%	2.48%	2.13%	2.70%	2.92%
Red Flag Computation 2	6,532,075	303,869	390,824	534,218	525,137	585,176	618,285	601,415	529,328	508,769	480,065	460,521	391,839	360,192	242,437
	21.13%	21.32%	21.33%	23.11%	20.87%	21.63%	20.59%	21.26%	21.00%	20.73%	19.07%	19.79%	21.16%	24.38%	21.19%
Red Flag Computation 3	4,445,856	220,444	296,560	402,086	457,230	443,286	491,915	456,493	363,010	337,129	307,577	282,237	169,822	132,288	85,779
	14.38%	15.47%	16.19%	17.39%	18.17%	16.39%	16.38%	16.13%	14.40%	13.74%	12.22%	12.13%	9.17%	8.95%	7.50%
Red Flag Computation 4	2,386,098	81,336	105,937	159,018	192,861	186,261	216,855	252,161	250,030	246,413	275,536	167,193	103,734	89,544	59,219
	7.72%	5.71%	5.78%	6.88%	7.66%	6.89%	7.22%	8.91%	9.92%	10.04%	10.95%	7.19%	5.60%	6.06%	5.18%
Red Flag Computation 5	5,395,256	254,913	391,842	442,272	506,969	511,985	593,413	546,394	462,754	384,869	351,346	338,587	256,659	202,765	150,488
	13.59%	13.54%	16.18%	14.92%	15.60%	14.75%	15.64%	15.22%	14.31%	12.29%	11.01%	11.40%	10.71%	10.52%	10.26%
Red Flag Computation 6	1,776,636	90,838	163,089	181,941	187,670	166,187	179,852	175,955	141,471	107,817	112,161	100,720	68,276	52,274	48,385
	4.48%	4.82%	6.73%	6.14%	5.78%	4.79%	4.74%	4.90%	4.38%	3.44%	3.52%	3.39%	2.85%	2.71%	3.30%
Red Flag Computation 7	23,545,610	1,158,890	1,464,955	1,716,488	1,924,530	2,035,904	2,162,060	2,079,428	1,934,256	1,865,645	1,897,922	1,787,758	1,472,867	1,193,110	851,797
	59.33%	61.55%	60.48%	57.92%	59.23%	58.65%	57.00%	57.91%	59.83%	59.57%	59.50%	60.20%	61.49%	61.89%	58.06%
Red Flag Computation 8	17,699,486	858,221	1,096,558	1,247,609	1,410,673	1,485,850	1,539,761	1,520,153	1,455,098	1,415,535	1,454,157	1,372,791	1,177,455	970,251	695,374
	44.60%	45.58%	45.27%	42.10%	43.41%	42.80%	40.59%	42.33%	45.01%	45.20%	45.58%	46.23%	49.16%	50.33%	47.40%
Red Flag Computation 9	1,837,573	47,055	81,418	132,431	123,217	139,940	209,911	145,906	138,912	164,346	217,837	192,520	103,994	76,597	63,489
	5.94%	3.30%	4.44%	5.73%	4.90%	5.17%	6.99%	5.16%	5.51%	6.70%	8.65%	8.27%	5.62%	5.18%	5.55%
Red Flag Computation 10	3,518,383	113,637	147,146	248,668	303,762	332,182	427,477	376,082	248,260	205,028	226,393	169,002	110,453	68,947	541,346
	11.38%	7.97%	8.03%	10.76%	12.07%	12.28%	14.23%	13.29%	9.85%	8.35%	8.99%	7.26%	5.96%	4.67%	47.31%
Red Flag Computation 11	3,099,811	113,637	147,146	248,668	303,762	332,182	427,477	376,082	248,260	205,028	226,393	169,002	110,453	68,947	122,774
	10.03%	7.97%	8.03%	10.76%	12.07%	12.28%	14.23%	13.29%	9.85%	8.35%	8.99%	7.26%	5.96%	4.67%	10.73%
Red Flag Computation 12	4,679,703	64,772	90,809	142,037	224,864	323,410	459,879	413,476	355,741	406,211	569,875	547,444	458,339	353,722	269,124
	15.14%	4.54%	4.96%	6.14%	8.94%	11.96%	15.31%	14.61%	14.11%	16.55%	22.64%	23.53%	24.75%	23.94%	23.52%
Red Flag Computation 13	2,617,158	98,695	136,588	175,419	201,473	241,941	306,931	286,602	149,197	171,190	243,950	230,810	153,824	124,354	96,184
	8.47%	6.92%	7.46%	7.59%	8.01%	8.94%	10.22%	10.13%	5.92%	6.98%	9.69%	9.92%	8.31%	8.42%	8.41%
Red Flag Computation 14	732,316	44,575	73,172	94,978	116,375	113,141	125,694	81,185	53,945	29,251	0	0	0	0	0
	2.37%	3.13%	3.99%	4.11%	4.62%	4.18%	4.19%	2.87%	2.14%	1.19%	0.00%	0.00%	0.00%	0.00%	0.00%
Red Flag Computation 15	12,304,942	565,630	797,705	1,113,814	1,181,678	1,209,308	1,382,535	1,207,471	1,010,669	922,867	886,203	766,502	553,220	413,413	293,927
	39.80%	39.69%	43.54%	48.18%	46.95%	44.70%	46.04%	42.68%	40.09%	37.60%	35.20%	32.94%	29.87%	27.98%	25.69%
Red Flag Computation 16	911,957	45,474	74,316	117,651	105,217	101,699	122,329	90,868	74,012	50,759	31,715	20,599	23,269	32,752	21,297
	2.95%	3.19%	4.06%	5.09%	4.18%	3.76%	4.07%	3.21%	2.94%	2.07%	1.26%	0.89%	1.26%	2.22%	1.86%
Flagged for Any of the Red Flag Computation 1-16	39,687,975	1,882,816	2,422,110	2,963,680	3,249,407	3,471,359	3,793,068	3,591,042	3,232,861	3,131,614	3,190,026	2,969,773	2,395,385	1,927,697	1,467,137
	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%

Notes

Defendant	Date Range
CVS	January 1, 2006 to November 29, 2019
Giant Eagle/HBC	January 1, 2006 to December 3, 2019
Rite Aid	January 1, 2006 to November 19, 2019
Walgreens	January 3, 2006 to January 3, 2020
Wal-Mart	January 2, 2006 to April 25, 2018

CONFIDENTIAL – SUBJECT TO PROTECTIVE ORDER

All Defendants Combination Red Flagged Prescriptions Summary
Trumbull County, OH
Red Flag Computation 1-16, in MME

	Total	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Total MME of Combination Red Flagged Prescriptions	590,141,279	27,988,637	34,708,285	48,085,498	51,598,079	54,879,479	62,809,542	56,943,976	47,252,590	43,941,716	46,894,672	41,700,316	30,933,665	24,152,082	18,252,742
Total MME of Combination Red Flagged Opioid Prescriptions	590,141,279	27,988,637	34,708,285	48,085,498	51,598,079	54,879,479	62,809,542	56,943,976	47,252,590	43,941,716	46,894,672	41,700,316	30,933,665	24,152,082	18,252,742
Red Flag Computation 1	19,570,062	1,015,831	1,322,057	1,374,330	1,619,573	2,097,362	2,630,253	1,945,562	1,708,587	1,514,081	1,400,453	1,065,234	654,041	689,828	532,872
	3.32%	3.63%	3.81%	2.86%	3.14%	3.82%	4.19%	3.42%	3.62%	3.45%	2.99%	2.55%	2.11%	2.86%	2.92%
Red Flag Computation 2	116,333,736	5,120,431	7,484,194	10,996,737	9,895,190	11,048,893	11,620,738	10,765,363	9,426,983	8,581,682	8,411,448	7,609,701	6,016,395	5,685,389	3,670,592
	19.71%	18.29%	21.56%	22.87%	19.18%	20.13%	18.50%	18.91%	19.95%	19.53%	17.94%	18.25%	19.45%	23.54%	20.11%
Red Flag Computation 3	81,801,009	4,286,324	5,353,350	8,288,083	8,958,542	8,252,648	9,297,383	8,292,315	6,596,489	5,979,580	5,199,651	4,914,212	2,848,250	2,207,756	1,326,425
	13.86%	15.31%	15.42%	17.24%	17.36%	15.04%	14.80%	14.56%	13.96%	13.61%	11.09%	11.78%	9.21%	9.14%	7.27%
Red Flag Computation 4	59,508,079	2,398,847	2,476,142	4,371,920	4,893,425	4,652,889	5,757,825	7,010,447	6,334,679	5,782,813	6,519,737	4,025,450	2,354,501	1,785,247	1,144,158
	10.08%	8.57%	7.13%	9.09%	9.48%	8.48%	9.17%	12.31%	13.41%	13.16%	13.90%	9.65%	7.61%	7.39%	6.27%
Red Flag Computation 5	62,304,051	2,741,064	3,811,131	4,795,995	6,233,296	6,336,175	8,021,297	6,604,648	5,375,223	4,342,513	4,001,140	3,610,001	2,540,088	2,234,465	1,657,016
	10.56%	9.79%	10.98%	9.97%	12.08%	11.55%	12.77%	11.60%	11.38%	9.88%	8.53%	8.66%	8.21%	9.25%	9.08%
Red Flag Computation 6	17,401,474	681,128	1,244,337	1,682,310	1,945,385	1,795,712	2,117,800	1,889,051	1,463,343	1,249,304	1,108,176	830,059	475,886	456,498	462,485
	2.95%	2.43%	3.59%	3.50%	3.77%	3.27%	3.37%	3.32%	3.10%	2.84%	2.36%	1.99%	1.54%	1.89%	2.53%
Red Flag Computation 7	299,652,463	14,133,689	17,943,417	24,047,833	26,232,090	27,459,668	30,497,839	28,398,118	24,582,420	22,349,046	23,775,074	21,356,635	16,432,151	13,186,638	9,257,844
	50.78%	50.50%	51.70%	50.01%	50.84%	50.04%	48.56%	49.87%	52.02%	50.86%	50.70%	51.21%	53.12%	54.60%	50.72%
Red Flag Computation 8	188,607,781	8,647,101	11,164,282	14,133,213	15,748,522	16,793,230	18,183,852	16,861,352	15,379,947	14,252,887	15,519,066	13,952,176	11,475,191	9,584,809	6,912,152
	31.96%	30.90%	32.17%	29.39%	30.52%	30.60%	28.95%	29.61%	32.55%	32.44%	33.09%	33.46%	37.10%	39.69%	37.87%
Red Flag Computation 9	37,848,590	783,109	1,712,416	3,170,201	2,625,323	3,293,105	4,230,368	3,102,753	2,997,187	3,284,446	4,302,966	3,631,544	1,898,023	1,517,198	1,299,953
	6.41%	2.80%	4.93%	6.59%	5.09%	6.00%	6.74%	5.45%	6.34%	7.47%	9.18%	8.71%	6.14%	6.28%	7.12%
Red Flag Computation 10	219,096,847	10,563,269	13,298,664	20,512,978	22,820,852	24,071,601	28,797,129	24,451,058	16,382,510	12,711,558	13,578,711	9,864,405	5,772,505	3,819,643	12,451,966
	37.13%	37.74%	38.32%	42.66%	44.23%	43.86%	45.85%	42.94%	34.67%	28.93%	28.96%	23.66%	18.66%	15.81%	68.22%
Red Flag Computation 11	212,233,651	10,563,269	13,298,664	20,512,978	22,820,852	24,071,601	28,797,129	24,451,058	16,382,510	12,711,558	13,578,711	9,864,405	5,772,505	3,819,643	5,588,770
	35.96%	37.74%	38.32%	42.66%	44.23%	43.86%	45.85%	42.94%	34.67%	28.93%	28.96%	23.66%	18.66%	15.81%	30.62%
Red Flag Computation 12	74,358,588	731,023	896,708	2,016,888	4,654,800	7,331,988	11,120,628	8,832,395	5,030,310	5,077,960	7,420,965	7,179,338	6,113,035	4,487,185	3,465,368
	12.60%	2.61%	2.58%	4.19%	9.02%	13.36%	17.71%	15.51%	10.65%	11.56%	15.82%	17.22%	19.76%	18.58%	18.99%
Red Flag Computation 13	33,735,843	839,053	1,152,788	1,751,823	2,631,560	3,760,500	4,813,578	3,981,303	2,030,343	2,056,915	2,977,245	2,896,413	2,042,513	1,559,123	1,242,690
	5.72%	3.00%	3.32%	3.64%	5.10%	6.85%	7.66%	6.99%	4.30%	4.68%	6.35%	6.95%	6.60%	6.46%	6.81%
Red Flag Computation 14	6,014,342	349,170	570,095	784,885	928,773	952,208	1,057,365	680,199	447,054	244,595	0	0	0	0	0
	1.02%	1.25%	1.64%	1.63%	1.80%	1.74%	1.68%	1.19%	0.95%	0.56%	0.00%	0.00%	0.00%	0.00%	0.00%
Red Flag Computation 15	339,246,206	17,317,281	21,687,365	33,264,961	34,435,148	34,284,216	39,695,308	34,053,704	26,486,836	23,162,634	24,545,894	20,286,875	13,351,365	9,962,847	6,711,774
	57.49%	61.87%	62.48%	69.18%	66.74%	62.47%	63.20%	59.80%	56.05%	52.71%	52.34%	48.65%	43.16%	41.25%	36.77%
Red Flag Computation 16	13,143,027	433,492	851,068	1,638,487	1,532,829	1,596,898	2,030,144	1,362,402	1,148,064	651,662	417,495	249,186	372,401	498,230	360,669
	2.23%	1.55%	2.45%	3.41%	2.97%	2.91%	3.23%	2.39%	2.43%	1.48%	0.89%	0.60%	1.20%	2.06%	1.98%
Flagged for Any of the Red Flag Computation 1-16	590,141,279	27,988,637	34,708,285	48,085,498	51,598,079	54,879,479	62,809,542	56,943,976	47,252,590	43,941,716	46,894,672	41,700,316	30,933,665	24,152,082	18,252,742
	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%

Notes

Defendant	Date Range
CVS	January 1, 2006 to November 29, 2019
Giant Eagle/HBC	January 1, 2006 to December 3, 2019
Rite Aid	January 1, 2006 to November 19, 2019
Walgreens	January 3, 2006 to January 3, 2020
Wal-Mart	January 2, 2006 to April 25, 2018

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CVS Combination Red Flagged Prescriptions Summary
Lake County and Trumbull County, OH
Red Flag Computation 1-16, in # of Prescriptions

	Total	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Total # of Combination Red Flagged Prescriptions	175,254	8,647	10,026	11,904	13,562	16,286	18,256	18,302	17,436	15,508	12,087	11,036	8,717	7,542	5,945
Total # of Combination Red Flagged Opioid Prescriptions	141,651	6,439	7,637	9,131	10,416	12,838	14,749	15,056	14,433	12,901	10,092	9,267	7,330	6,317	5,045
Red Flag Computation 1	7,210	344	454	513	512	648	830	928	792	590	416	406	316	253	208
	5.09%	5.34%	5.94%	5.62%	4.92%	5.05%	5.63%	6.16%	5.49%	4.57%	4.12%	4.38%	4.31%	4.01%	4.12%
Red Flag Computation 2	53,820	1,575	1,847	1,945	1,912	3,903	5,552	6,088	6,235	5,392	4,854	4,518	3,976	3,488	2,535
	37.99%	24.46%	24.18%	21.30%	18.36%	30.40%	37.64%	40.44%	43.20%	41.80%	48.10%	48.75%	54.24%	55.22%	50.25%
Red Flag Computation 3	21,929	1,137	1,451	1,876	2,175	2,317	2,428	2,272	2,121	1,857	1,276	1,233	741	610	435
	15.48%	17.66%	19.00%	20.55%	20.88%	18.05%	16.46%	15.09%	14.70%	14.39%	12.64%	13.31%	10.11%	9.66%	8.62%
Red Flag Computation 4	10,682	145	376	804	982	1,048	1,188	1,184	1,065	1,131	854	688	557	350	310
	7.54%	2.25%	4.92%	8.81%	9.43%	8.16%	8.05%	7.86%	7.38%	8.77%	8.46%	7.42%	7.60%	5.54%	6.14%
Red Flag Computation 5	22,885	1,391	1,691	1,745	2,387	2,731	2,615	2,283	2,102	1,787	1,323	1,009	780	630	411
	13.06%	16.09%	16.87%	14.66%	17.60%	16.77%	14.32%	12.47%	12.06%	11.52%	10.95%	9.14%	8.95%	8.35%	6.91%
Red Flag Computation 6	6,120	415	413	528	639	650	672	638	525	475	386	303	235	154	87
	3.49%	4.80%	4.12%	4.44%	4.71%	3.99%	3.68%	3.49%	3.01%	3.06%	3.19%	2.75%	2.70%	2.04%	1.46%
Red Flag Computation 7	84,777	4,903	5,596	6,570	7,691	8,189	8,812	8,341	7,633	6,905	5,654	5,007	3,798	3,277	2,401
	48.37%	56.70%	55.81%	55.19%	56.71%	50.28%	48.27%	45.57%	43.78%	44.53%	46.78%	45.37%	43.57%	43.45%	40.39%
Red Flag Computation 8	52,525	3,434	3,576	4,426	4,815	5,123	5,305	5,051	4,672	4,118	3,213	2,879	2,313	2,076	1,524
	29.97%	39.71%	35.67%	37.18%	35.50%	31.46%	29.06%	27.60%	26.80%	26.55%	26.58%	26.09%	26.53%	27.53%	25.63%
Red Flag Computation 9	5,158	187	214	266	424	498	609	556	550	511	490	417	165	77	194
	3.64%	2.90%	2.80%	2.91%	4.07%	3.88%	4.13%	3.69%	3.81%	3.96%	4.86%	4.50%	2.25%	1.22%	3.85%
Red Flag Computation 10	5,372	167	206	260	433	482	668	506	416	353	281	181	103	68	1,248
	3.79%	2.59%	2.70%	2.85%	4.16%	3.75%	4.53%	3.36%	2.88%	2.74%	2.78%	1.95%	1.41%	1.08%	24.74%
Red Flag Computation 11	4,388	167	206	260	433	482	668	506	416	353	281	181	103	68	264
	3.10%	2.59%	2.70%	2.85%	4.16%	3.75%	4.53%	3.36%	2.88%	2.74%	2.78%	1.95%	1.41%	1.08%	5.23%
Red Flag Computation 12	11,786	315	478	640	868	1,200	1,529	1,734	1,533	1,316	561	529	380	456	247
	8.32%	4.89%	6.26%	7.01%	8.33%	9.35%	10.37%	11.52%	10.62%	10.20%	5.56%	5.71%	5.18%	7.22%	4.90%
Red Flag Computation 13	7,845	271	325	451	676	885	1,194	1,152	1,001	733	292	276	282	197	110
	5.54%	4.21%	4.26%	4.94%	6.49%	6.89%	8.10%	7.65%	6.94%	5.68%	2.89%	2.98%	3.85%	3.12%	2.18%
Red Flag Computation 14	2,508	182	256	324	332	354	376	293	227	164	0	0	0	0	0
	1.77%	2.83%	3.35%	3.55%	3.19%	2.76%	2.55%	1.95%	1.57%	1.27%	0.00%	0.00%	0.00%	0.00%	0.00%
Red Flag Computation 15	45,571	1,935	2,797	3,421	4,023	5,058	5,496	4,932	4,476	3,880	2,734	2,600	1,805	1,327	1,087
	32.17%	30.05%	36.62%	37.47%	38.62%	39.40%	37.26%	32.76%	31.01%	30.08%	27.09%	28.06%	24.62%	21.01%	21.55%
Red Flag Computation 16	12,043	792	826	1,047	1,077	1,324	1,273	1,238	1,191	772	523	415	390	598	577
	8.50%	12.30%	10.82%	11.47%	10.34%	10.31%	8.63%	8.22%	8.25%	5.98%	5.18%	4.48%	5.32%	9.47%	11.44%
Flagged for Any of the Red Flag Computation 1-16	175,254	8,647	10,026	11,904	13,562	16,286	18,256	18,302	17,436	15,508	12,087	11,036	8,717	7,542	5,945
	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%

Notes

Defendant	Date Range
CVS	January 1, 2006 to November 29, 2019
Giant Eagle/HBC	January 1, 2006 to December 3, 2019
Rite Aid	January 1, 2006 to November 19, 2019
Walgreens	January 3, 2006 to January 3, 2020
Wal-Mart	January 2, 2006 to April 25, 2018

CONFIDENTIAL – SUBJECT TO PROTECTIVE ORDER

CVS Combination Red Flagged Prescriptions Summary
Lake County and Trumbull County, OH
Red Flag Computation 1-16, in Dosage Units

	Total	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Total Dosage Units of Combination Red Flagged Prescriptions	12,569,759	548,172	705,018	868,588	1,020,162	1,263,632	1,474,643	1,415,786	1,278,104	1,075,190	760,928	731,335	581,728	487,479	358,994
Total Dosage Units of Combination Red Flagged Opioid Prescriptions	10,596,711	418,865	564,042	704,679	826,248	1,047,945	1,255,463	1,221,664	1,111,154	933,794	651,126	631,233	503,549	416,474	310,475
Red Flag Computation 1	584,330	27,852	43,548	49,220	41,453	59,444	80,863	82,571	66,186	46,101	24,823	23,407	19,138	11,695	8,029
	5.51%	6.65%	7.72%	6.98%	5.02%	5.67%	6.44%	6.76%	5.96%	4.94%	3.81%	3.71%	3.80%	2.81%	2.59%
Red Flag Computation 2	3,446,497	96,508	123,376	138,223	139,341	266,356	409,632	415,549	392,097	318,786	267,516	282,874	252,573	215,784	127,882
	32.52%	23.04%	21.87%	19.62%	16.86%	25.42%	32.63%	34.01%	35.29%	34.14%	41.09%	44.81%	50.16%	51.81%	41.19%
Red Flag Computation 3	1,387,025	68,277	90,389	124,016	142,956	152,197	161,880	148,413	133,469	113,789	76,045	74,050	44,324	33,743	23,477
	13.09%	16.30%	16.03%	17.60%	17.30%	14.52%	12.89%	12.15%	12.01%	12.19%	11.68%	11.73%	8.80%	8.10%	7.56%
Red Flag Computation 4	817,633	9,144	27,360	59,773	70,345	80,205	98,964	101,155	80,624	84,824	64,836	50,889	41,269	23,512	24,733
	7.72%	2.18%	4.85%	8.48%	8.51%	7.65%	7.88%	8.28%	7.26%	9.08%	9.96%	8.06%	8.20%	5.65%	7.97%
Red Flag Computation 5	1,785,757	104,319	127,047	140,174	189,907	213,675	212,629	182,353	162,539	129,923	99,539	78,879	61,524	51,182	32,067
	14.21%	19.03%	18.02%	16.14%	18.62%	16.91%	14.42%	12.88%	12.72%	12.08%	13.08%	10.79%	10.58%	10.50%	8.93%
Red Flag Computation 6	477,858	33,084	32,228	41,401	49,221	52,622	52,013	51,827	38,839	31,523	29,912	26,114	18,549	12,955	7,570
	3.80%	6.04%	4.57%	4.77%	4.82%	4.16%	3.53%	3.66%	3.04%	2.93%	3.93%	3.57%	3.19%	2.66%	2.11%
Red Flag Computation 7	6,000,730	317,749	377,199	477,046	557,031	602,712	665,687	612,952	542,485	477,038	371,112	346,296	270,231	228,296	154,896
	47.74%	57.97%	53.50%	54.92%	54.60%	47.70%	45.14%	43.29%	42.44%	44.37%	48.77%	47.35%	46.45%	46.83%	43.15%
Red Flag Computation 8	3,655,264	225,606	242,126	311,122	341,828	373,998	390,357	362,709	312,344	273,824	212,073	198,270	162,398	146,898	101,711
	29.08%	41.16%	34.34%	35.82%	33.51%	29.60%	26.47%	25.62%	24.44%	25.47%	27.87%	27.11%	27.92%	30.13%	28.33%
Red Flag Computation 9	430,482	15,198	16,704	24,302	35,341	47,203	55,418	46,587	45,391	40,904	37,286	30,361	13,554	6,428	15,805
	4.06%	3.63%	2.96%	3.45%	4.28%	4.50%	4.41%	3.81%	4.09%	4.38%	5.73%	4.81%	2.69%	1.54%	5.09%
Red Flag Computation 10	534,762	12,026	13,680	23,209	43,291	52,714	75,863	53,870	41,219	34,768	25,327	19,242	13,572	12,677	113,304
	5.05%	2.87%	2.43%	3.29%	5.24%	5.03%	6.04%	4.41%	3.71%	3.72%	3.89%	3.05%	2.70%	3.04%	36.49%
Red Flag Computation 11	448,330	12,026	13,680	23,209	43,291	52,714	75,863	53,870	41,219	34,768	25,327	19,242	13,572	12,677	26,872
	4.23%	2.87%	2.43%	3.29%	5.24%	5.03%	6.04%	4.41%	3.71%	3.72%	3.89%	3.05%	2.70%	3.04%	8.66%
Red Flag Computation 12	1,491,791	20,877	77,956	95,508	124,409	190,477	238,306	252,932	204,564	146,307	38,338	37,450	23,677	27,895	13,095
	14.08%	4.98%	13.82%	13.55%	15.06%	18.18%	18.98%	20.70%	18.41%	15.67%	5.89%	5.93%	4.70%	6.70%	4.22%
Red Flag Computation 13	1,083,247	18,651	50,964	69,041	95,356	146,226	194,710	188,831	146,774	94,636	22,009	19,192	17,259	13,066	6,532
	10.22%	4.45%	9.04%	9.80%	11.54%	13.95%	15.51%	15.46%	13.21%	10.13%	3.38%	3.04%	3.43%	3.14%	2.10%
Red Flag Computation 14	233,722	13,985	21,244	27,070	30,337	32,397	40,221	29,657	22,393	16,418	0	0	0	0	0
	2.21%	3.34%	3.77%	3.84%	3.67%	3.09%	3.20%	2.43%	2.02%	1.76%	0.00%	0.00%	0.00%	0.00%	0.00%
Red Flag Computation 15	3,900,716	145,280	213,115	280,604	349,052	432,242	510,471	454,217	403,635	340,184	210,658	209,444	150,335	113,495	87,984
	36.81%	34.68%	37.78%	39.82%	42.25%	41.25%	40.66%	37.18%	36.33%	36.43%	32.35%	33.18%	29.86%	27.25%	28.34%
Red Flag Computation 16	747,060	38,407	44,776	57,086	70,044	94,610	96,710	83,550	80,165	49,418	26,148	19,561	20,964	30,847	34,774
	7.05%	9.17%	7.94%	8.10%	8.48%	9.03%	7.70%	6.84%	7.21%	5.29%	4.02%	3.10%	4.16%	7.41%	11.20%
Flagged for Any of the Red Flag Computation 1-16	12,569,759	548,172	705,018	868,588	1,020,162	1,263,632	1,474,643	1,415,786	1,278,104	1,075,190	760,928	731,335	581,728	487,479	358,994
	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%

Notes

Defendant	Date Range
CVS	January 1, 2006 to November 29, 2019
Giant Eagle/HBC	January 1, 2006 to December 3, 2019
Rite Aid	January 1, 2006 to November 19, 2019
Walgreens	January 3, 2006 to January 3, 2020
Wal-Mart	January 2, 2006 to April 25, 2018

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CVS Combination Red Flagged Prescriptions Summary
Lake County and Trumbull County, OH
Red Flag Computation 1-16, in MME

	Total	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Total MME of Combination Red Flagged Prescriptions	156,829,233	6,210,900	7,928,092	10,152,692	13,103,444	16,430,062	20,281,224	17,636,064	16,340,751	13,221,301	9,611,755	8,791,341	7,134,064	5,611,529	4,376,014
Total MME of Combination Red Flagged Opioid Prescriptions	156,829,233	6,210,900	7,928,092	10,152,692	13,103,444	16,430,062	20,281,224	17,636,064	16,340,751	13,221,301	9,611,755	8,791,341	7,134,064	5,611,529	4,376,014
Red Flag Computation 1	10,133,790	326,458	520,449	642,384	615,754	1,328,833	1,672,783	1,534,670	1,327,110	836,941	476,966	365,400	250,565	136,495	98,983
	6.46%	5.26%	6.56%	6.33%	4.70%	8.09%	8.25%	8.70%	8.12%	6.33%	4.96%	4.16%	3.51%	2.43%	2.26%
Red Flag Computation 2	53,160,623	1,451,269	1,812,669	2,197,372	2,460,912	5,204,519	8,163,425	6,391,625	6,147,827	4,356,081	3,568,582	3,655,471	3,336,084	2,761,929	1,652,860
	33.90%	23.37%	22.86%	21.64%	18.78%	31.68%	40.25%	36.24%	37.62%	32.95%	37.13%	41.58%	46.76%	49.22%	37.77%
Red Flag Computation 3	22,651,702	1,117,202	1,532,388	2,176,330	2,526,250	2,732,026	2,824,364	2,248,276	1,978,884	1,780,431	1,154,617	1,125,360	633,149	450,379	372,047
	14.44%	17.99%	19.33%	21.44%	19.28%	16.63%	13.93%	12.75%	12.11%	13.47%	12.01%	12.80%	8.88%	8.03%	8.50%
Red Flag Computation 4	14,655,996	193,633	403,414	942,653	1,331,268	1,346,670	1,888,801	1,711,821	1,598,883	1,670,375	1,109,722	816,743	747,662	428,016	466,337
	9.35%	3.12%	5.09%	9.28%	10.16%	8.20%	9.31%	9.71%	9.78%	12.63%	11.55%	9.29%	10.48%	7.63%	10.66%
Red Flag Computation 5	18,424,277	944,125	1,053,679	1,494,772	2,037,521	2,437,235	2,390,771	1,931,655	1,748,352	1,227,659	1,003,278	758,269	581,609	511,478	303,876
	11.75%	15.20%	13.29%	14.72%	15.55%	14.83%	11.79%	10.95%	10.70%	9.29%	10.44%	8.63%	8.15%	9.11%	6.94%
Red Flag Computation 6	3,462,920	250,360	156,138	294,665	315,042	418,177	369,315	324,771	300,515	215,650	288,548	211,056	138,644	109,850	70,190
	2.21%	4.03%	1.97%	2.90%	2.40%	2.55%	1.82%	1.84%	1.84%	1.63%	3.00%	2.40%	1.94%	1.96%	1.60%
Red Flag Computation 7	65,068,246	3,107,704	3,805,750	5,146,476	6,239,872	6,482,841	7,602,147	6,656,549	6,077,868	5,235,025	4,300,688	3,632,275	2,754,218	2,386,293	1,640,540
	41.49%	50.04%	48.00%	50.69%	47.62%	39.46%	37.48%	37.74%	37.19%	39.60%	44.74%	41.32%	38.61%	42.52%	37.49%
Red Flag Computation 8	30,018,118	1,838,228	1,850,237	2,561,409	2,850,773	3,067,279	3,304,558	2,899,018	2,499,287	2,104,637	1,966,618	1,521,231	1,393,798	1,290,227	870,818
	19.14%	29.60%	23.34%	25.23%	21.76%	18.67%	16.29%	16.44%	15.29%	15.92%	20.46%	17.30%	19.54%	22.99%	19.90%
Red Flag Computation 9	6,931,029	164,910	189,093	306,996	508,492	788,290	962,472	848,459	766,652	693,103	637,414	443,888	250,916	140,947	229,401
	4.42%	2.66%	2.39%	3.02%	3.88%	4.80%	4.75%	4.81%	4.69%	5.24%	6.63%	5.05%	3.52%	2.51%	5.24%
Red Flag Computation 10	32,722,834	1,315,800	1,571,359	2,172,130	3,551,130	3,949,480	5,348,275	3,590,060	3,001,094	1,850,424	1,434,331	1,058,642	727,575	514,455	2,638,079
	20.87%	21.19%	19.82%	21.39%	27.10%	24.04%	26.37%	20.36%	18.37%	14.00%	14.92%	12.04%	10.20%	9.17%	60.28%
Red Flag Computation 11	31,255,924	1,315,800	1,571,359	2,172,130	3,551,130	3,949,480	5,348,275	3,590,060	3,001,094	1,850,424	1,434,331	1,058,642	727,575	514,455	1,171,170
	19.93%	21.19%	19.82%	21.39%	27.10%	24.04%	26.37%	20.36%	18.37%	14.00%	14.92%	12.04%	10.20%	9.17%	26.76%
Red Flag Computation 12	12,051,870	159,503	578,008	714,915	953,088	1,525,040	1,991,943	2,101,463	1,647,365	1,181,180	332,838	332,518	184,408	238,423	111,183
	7.68%	2.57%	7.29%	7.04%	7.27%	9.28%	9.82%	11.92%	10.08%	8.93%	3.46%	3.78%	2.58%	4.25%	2.54%
Red Flag Computation 13	8,720,738	139,188	389,323	521,313	749,430	1,148,113	1,587,870	1,498,145	1,165,675	775,873	195,630	198,518	165,810	121,890	63,963
	5.56%	2.24%	4.91%	5.13%	5.72%	6.99%	7.83%	8.49%	7.13%	5.87%	2.04%	2.26%	2.32%	2.17%	1.46%
Red Flag Computation 14	1,905,356	118,613	192,298	243,575	272,488	295,105	288,145	208,253	164,483	122,398	0	0	0	0	0
	1.21%	1.91%	2.43%	2.40%	2.08%	1.80%	1.42%	1.18%	1.01%	0.93%	0.00%	0.00%	0.00%	0.00%	0.00%
Red Flag Computation 15	81,384,756	3,329,179	4,388,981	5,980,605	7,619,300	9,224,075	11,075,016	8,936,961	8,230,837	6,830,164	4,567,257	4,043,284	3,140,619	2,222,566	1,795,913
	51.89%	53.60%	55.36%	58.91%	58.15%	56.14%	54.61%	50.67%	50.37%	51.66%	47.52%	45.99%	44.02%	39.61%	41.04%
Red Flag Computation 16	10,130,564	399,257	460,226	645,261	1,006,308	1,472,168	1,583,357	1,012,152	1,029,890	747,787	333,328	251,652	282,418	414,246	492,515
	6.46%	6.43%	5.81%	6.36%	7.68%	8.96%	7.81%	5.74%	6.30%	5.66%	3.47%	2.86%	3.96%	7.38%	11.25%
Flagged for Any of the Red Flag Computation 1-16	156,829,233	6,210,900	7,928,092	10,152,692	13,103,444	16,430,062	20,281,224	17,636,064	16,340,751	13,221,301	9,611,755	8,791,341	7,134,064	5,611,529	4,376,014
	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%

Notes

Defendant	Date Range
CVS	January 1, 2006 to November 29, 2019
Giant Eagle/HBC	January 1, 2006 to December 3, 2019
Rite Aid	January 1, 2006 to November 19, 2019
Walgreens	January 3, 2006 to January 3, 2020
Wal-Mart	January 2, 2006 to April 25, 2018

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CVS Combination Red Flagged Prescriptions Summary
Lake County, OH
Red Flag Computation 1-16, in # of Prescriptions

	Total	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Total # of Combination Red Flagged Prescriptions	107,190	3,681	5,031	6,290	7,834	9,689	11,822	12,538	12,144	10,311	8,153	6,955	5,211	4,074	3,457
Total # of Combination Red Flagged Opioid Prescriptions	91,066	2,899	4,030	5,082	6,308	8,092	10,097	10,874	10,469	8,890	7,015	6,018	4,604	3,577	3,111
Red Flag Computation 1	5,633	243	313	341	369	474	671	767	675	514	358	314	257	184	153
	6.19%	8.38%	7.77%	6.71%	5.85%	5.86%	6.65%	7.05%	6.45%	5.78%	5.10%	5.22%	5.58%	5.14%	4.92%
Red Flag Computation 2	35,166	721	998	1,001	1,055	2,518	3,942	4,482	4,559	3,609	3,404	2,957	2,449	1,845	1,626
	38.62%	24.87%	24.76%	19.70%	16.72%	31.12%	39.04%	41.22%	43.55%	40.60%	48.52%	49.14%	53.19%	51.58%	52.27%
Red Flag Computation 3	13,545	555	753	1,058	1,222	1,314	1,522	1,573	1,459	1,268	909	793	501	343	275
	14.87%	19.14%	18.68%	20.82%	19.37%	16.24%	15.07%	14.47%	13.94%	14.26%	12.96%	13.18%	10.88%	9.59%	8.84%
Red Flag Computation 4	8,502	94	256	600	720	817	864	995	935	960	674	589	475	267	256
	9.34%	3.24%	6.35%	11.81%	11.41%	10.10%	8.56%	9.15%	8.93%	10.80%	9.61%	9.79%	10.32%	7.46%	8.23%
Red Flag Computation 5	13,725	578	908	974	1,486	1,659	1,653	1,473	1,469	1,190	811	654	390	291	189
	12.80%	15.70%	18.05%	15.48%	18.97%	17.12%	13.98%	11.75%	12.10%	11.54%	9.95%	9.40%	7.48%	7.14%	5.47%
Red Flag Computation 6	3,058	106	167	253	360	351	338	303	335	281	154	208	104	78	20
	2.85%	2.88%	3.32%	4.02%	4.60%	3.62%	2.86%	2.42%	2.76%	2.73%	1.89%	2.99%	2.00%	1.91%	0.58%
Red Flag Computation 7	45,941	1,867	2,500	3,146	4,108	4,190	5,018	4,934	4,711	4,217	3,621	2,924	1,962	1,592	1,151
	42.86%	50.72%	49.69%	50.02%	52.44%	43.24%	42.45%	39.35%	38.79%	40.90%	44.41%	42.04%	37.65%	39.08%	33.29%
Red Flag Computation 8	23,649	1,149	1,362	1,832	2,146	2,176	2,453	2,443	2,413	2,117	1,746	1,452	992	802	566
	22.06%	31.21%	27.07%	29.13%	27.39%	22.46%	20.75%	19.48%	19.87%	20.53%	21.42%	20.88%	19.04%	19.69%	16.37%
Red Flag Computation 9	3,220	71	98	188	302	326	451	456	409	286	258	163	51	29	132
	3.54%	2.45%	2.43%	3.70%	4.79%	4.03%	4.47%	4.19%	3.91%	3.22%	3.68%	2.71%	1.11%	0.81%	4.24%
Red Flag Computation 10	3,637	59	102	143	268	347	543	436	371	311	228	119	60	38	612
	3.99%	2.04%	2.53%	2.81%	4.25%	4.29%	5.38%	4.01%	3.54%	3.50%	3.25%	1.98%	1.30%	1.06%	19.67%
Red Flag Computation 11	3,203	59	102	143	268	347	543	436	371	311	228	119	60	38	178
	3.52%	2.04%	2.53%	2.81%	4.25%	4.29%	5.38%	4.01%	3.54%	3.50%	3.25%	1.98%	1.30%	1.06%	5.72%
Red Flag Computation 12	9,743	196	417	561	765	1,008	1,324	1,530	1,293	1,056	398	367	298	331	199
	10.70%	6.76%	10.35%	11.04%	12.13%	12.46%	13.11%	14.07%	12.35%	11.88%	5.67%	6.10%	6.47%	9.25%	6.40%
Red Flag Computation 13	6,303	166	272	383	535	749	1,054	1,046	836	565	167	134	196	125	75
	6.92%	5.73%	6.75%	7.54%	8.48%	9.26%	10.44%	9.62%	7.99%	6.36%	2.38%	2.23%	4.26%	3.49%	2.41%
Red Flag Computation 14	1,630	85	143	169	193	220	276	221	179	144	0	0	0	0	0
	1.79%	2.93%	3.55%	3.33%	3.06%	2.72%	2.73%	2.03%	1.71%	1.62%	0.00%	0.00%	0.00%	0.00%	0.00%
Red Flag Computation 15	31,268	849	1,533	1,959	2,530	3,449	4,108	3,904	3,612	2,943	2,006	1,770	1,176	755	674
	34.34%	29.29%	38.04%	38.55%	40.11%	42.62%	40.69%	35.90%	34.50%	33.10%	28.60%	29.41%	25.54%	21.11%	21.67%
Red Flag Computation 16	8,130	383	448	602	664	874	937	886	871	568	428	346	272	422	429
	8.93%	13.21%	11.12%	11.85%	10.53%	10.80%	9.28%	8.15%	8.32%	6.39%	6.10%	5.75%	5.91%	11.80%	13.79%
Flagged for Any of the Red Flag Computation 1-16	107,190	3,681	5,031	6,290	7,834	9,689	11,822	12,538	12,144	10,311	8,153	6,955	5,211	4,074	3,457
	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%

Notes

Defendant	Date Range
CVS	January 1, 2006 to November 29, 2019
Giant Eagle/HBC	January 1, 2006 to December 3, 2019
Rite Aid	January 1, 2006 to November 19, 2019
Walgreens	January 3, 2006 to January 3, 2020
Wal-Mart	January 2, 2006 to April 25, 2018

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CVS Combination Red Flagged Prescriptions Summary
Lake County, OH
Red Flag Computation 1-16, in Dosage Units

	Total	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Total Dosage Units of Combination Red Flagged Prescriptions	7,581,156	229,507	370,243	472,140	597,102	781,413	993,539	1,001,669	890,768	698,493	459,944	404,114	297,495	210,695	174,034
Total Dosage Units of Combination Red Flagged Opioid Prescriptions	6,731,849	189,317	318,620	410,542	512,583	685,128	888,829	906,322	806,258	630,459	406,004	359,556	269,307	188,494	160,430
Red Flag Computation 1	488,717	22,762	34,779	37,808	31,602	47,349	70,753	72,504	59,902	41,052	21,716	19,150	15,195	8,425	5,720
	7.26%	12.02%	10.92%	9.21%	6.17%	6.91%	7.96%	8.00%	7.43%	6.51%	5.35%	5.33%	5.64%	4.47%	3.57%
Red Flag Computation 2	2,191,768	48,602	78,892	82,119	83,327	180,842	304,254	316,756	282,788	202,269	170,166	162,303	133,001	84,770	61,679
	32.56%	25.67%	24.76%	20.00%	16.26%	26.40%	34.23%	34.95%	35.07%	32.08%	41.91%	45.14%	49.39%	44.97%	38.45%
Red Flag Computation 3	804,488	30,278	43,409	67,109	73,061	80,616	96,423	97,707	88,323	75,051	49,575	43,945	27,220	16,829	14,942
	11.95%	15.99%	13.62%	16.35%	14.25%	11.77%	10.85%	10.78%	10.95%	11.90%	12.21%	12.22%	10.11%	8.93%	9.31%
Red Flag Computation 4	639,943	6,172	18,499	42,742	50,584	62,235	72,452	84,562	71,571	71,842	47,301	42,333	33,817	16,566	19,267
	9.51%	3.26%	5.81%	10.41%	9.87%	9.08%	8.15%	9.33%	8.88%	11.40%	11.65%	11.77%	12.56%	8.79%	12.01%
Red Flag Computation 5	1,055,592	43,178	65,696	80,960	120,329	132,112	136,279	119,423	111,488	83,634	56,019	48,076	27,354	19,423	11,621
	13.92%	18.81%	17.74%	17.15%	20.15%	16.91%	13.72%	11.92%	12.52%	11.97%	12.18%	11.90%	9.19%	9.22%	6.68%
Red Flag Computation 6	240,986	8,248	11,704	18,712	30,427	31,385	27,367	27,908	24,689	19,143	11,000	16,800	7,066	5,702	835
	3.18%	3.59%	3.16%	3.96%	5.10%	4.02%	2.75%	2.79%	2.77%	2.74%	2.39%	4.16%	2.38%	2.71%	0.48%
Red Flag Computation 7	3,026,051	113,387	157,177	220,942	281,307	296,838	371,857	353,020	317,062	272,269	206,454	175,124	118,550	85,923	56,141
	39.92%	49.40%	42.45%	46.80%	47.11%	37.99%	37.43%	35.24%	35.59%	38.98%	44.89%	43.34%	39.85%	40.78%	32.26%
Red Flag Computation 8	1,431,151	67,677	78,698	113,260	134,760	145,286	171,794	164,228	140,094	123,019	93,710	81,070	53,945	38,821	24,789
	18.88%	29.49%	21.26%	23.99%	22.57%	18.59%	17.29%	16.40%	15.73%	17.61%	20.37%	20.06%	18.13%	18.43%	14.24%
Red Flag Computation 9	260,135	5,263	6,936	16,707	25,011	31,454	40,935	37,083	32,183	22,885	17,037	9,566	3,682	1,862	9,531
	3.86%	2.78%	2.18%	4.07%	4.88%	4.59%	4.61%	4.09%	3.99%	3.63%	4.20%	2.66%	1.37%	0.99%	5.94%
Red Flag Computation 10	369,680	3,624	5,828	13,811	29,117	40,816	64,085	47,124	37,679	31,258	19,197	13,134	6,522	5,207	52,278
	5.49%	1.91%	1.83%	3.36%	5.68%	5.96%	7.21%	5.20%	4.67%	4.96%	4.73%	3.65%	2.42%	2.76%	32.59%
Red Flag Computation 11	333,426	3,624	5,828	13,811	29,117	40,816	64,085	47,124	37,679	31,258	19,197	13,134	6,522	5,207	16,024
	4.95%	1.91%	1.83%	3.36%	5.68%	5.96%	7.21%	5.20%	4.67%	4.96%	4.73%	3.65%	2.42%	2.76%	9.99%
Red Flag Computation 12	1,308,215	15,263	74,998	89,506	115,470	172,496	218,681	235,876	182,639	119,502	23,096	22,288	15,251	14,787	8,362
	19.43%	8.06%	23.54%	21.80%	22.53%	25.18%	24.60%	26.03%	22.65%	18.95%	5.69%	6.20%	5.66%	7.84%	5.21%
Red Flag Computation 13	954,848	13,639	48,047	63,535	85,426	134,416	182,121	179,293	133,829	76,936	10,453	7,744	10,076	6,101	3,232
	14.18%	7.20%	15.08%	15.48%	16.67%	19.62%	20.49%	19.78%	16.60%	12.20%	2.57%	2.15%	3.74%	3.24%	2.01%
Red Flag Computation 14	153,984	6,247	12,468	13,842	18,575	20,987	28,922	21,782	16,640	14,521	0	0	0	0	0
	2.29%	3.30%	3.91%	3.37%	3.62%	3.06%	3.25%	2.40%	2.06%	2.30%	0.00%	0.00%	0.00%	0.00%	0.00%
Red Flag Computation 15	2,675,598	63,806	123,870	165,643	220,153	297,057	384,104	359,734	322,931	257,386	144,644	133,764	88,344	60,616	53,546
	39.75%	33.70%	38.88%	40.35%	42.95%	43.36%	43.21%	39.69%	40.05%	40.83%	35.63%	37.20%	32.80%	32.16%	33.38%
Red Flag Computation 16	524,177	19,429	26,802	34,580	46,558	68,629	77,007	62,182	59,549	38,518	21,013	14,558	13,408	18,638	23,306
	7.79%	10.26%	8.41%	8.42%	9.08%	10.02%	8.66%	6.86%	7.39%	6.11%	5.18%	4.05%	4.98%	9.89%	14.53%
Flagged for Any of the Red Flag Computation 1-16	7,581,156	229,507	370,243	472,140	597,102	781,413	993,539	1,001,669	890,768	698,493	459,944	404,114	297,495	210,695	174,034
	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%

Notes

Defendant	Date Range
CVS	January 1, 2006 to November 29, 2019
Giant Eagle/HBC	January 1, 2006 to December 3, 2019
Rite Aid	January 1, 2006 to November 19, 2019
Walgreens	January 3, 2006 to January 3, 2020
Wal-Mart	January 2, 2006 to April 25, 2018

CONFIDENTIAL – SUBJECT TO PROTECTIVE ORDER

CVS Combination Red Flagged Prescriptions Summary
Lake County, OH
Red Flag Computation 1-16, in MME

	Total	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Total MME of Combination Red Flagged Prescriptions	101,134,872	2,525,523	4,177,661	5,741,331	8,105,786	10,895,139	14,727,505	13,434,327	12,463,919	9,278,165	6,252,633	5,001,272	3,850,663	2,448,121	2,232,827
Total MME of Combination Red Flagged Opioid Prescriptions	101,134,872	2,525,523	4,177,661	5,741,331	8,105,786	10,895,139	14,727,505	13,434,327	12,463,919	9,278,165	6,252,633	5,001,272	3,850,663	2,448,121	2,232,827
Red Flag Computation 1	8,817,406	230,756	399,944	433,554	500,692	1,133,361	1,510,670	1,417,095	1,253,665	785,098	449,173	321,465	205,573	109,978	66,383
	8.72%	9.14%	9.57%	7.55%	6.18%	10.40%	10.26%	10.55%	10.06%	8.46%	7.18%	6.43%	5.34%	4.49%	2.97%
Red Flag Computation 2	35,418,283	701,202	1,075,805	1,288,766	1,493,526	3,715,175	6,318,791	4,844,378	4,806,508	2,922,488	2,386,492	2,105,916	1,777,441	1,130,680	851,117
	35.02%	27.76%	25.75%	22.45%	18.43%	34.10%	42.90%	36.06%	38.56%	31.50%	38.17%	42.11%	46.16%	46.19%	38.12%
Red Flag Computation 3	12,709,240	457,210	686,989	1,207,071	1,282,042	1,289,349	1,707,159	1,447,345	1,243,959	1,094,545	773,304	639,180	383,950	238,639	258,498
	12.57%	18.10%	16.44%	21.02%	15.82%	11.83%	11.59%	10.77%	9.98%	11.80%	12.37%	12.78%	9.97%	9.75%	11.58%
Red Flag Computation 4	11,907,458	141,761	296,266	740,935	1,027,008	1,065,175	1,381,398	1,486,403	1,412,423	1,430,860	878,264	706,308	656,347	316,146	368,167
	11.77%	5.61%	7.09%	12.91%	12.67%	9.78%	9.38%	11.06%	11.33%	15.42%	14.05%	14.12%	17.05%	12.91%	16.49%
Red Flag Computation 5	11,610,775	391,073	555,852	942,273	1,350,718	1,580,758	1,703,645	1,492,809	1,377,860	835,511	559,178	386,162	194,770	168,235	71,931
	11.48%	15.48%	13.31%	16.41%	16.66%	14.51%	11.57%	11.11%	11.05%	9.01%	8.94%	7.72%	5.06%	6.87%	3.22%
Red Flag Computation 6	1,874,244	105,153	52,213	128,935	207,512	290,590	262,595	212,903	231,865	148,983	80,168	92,833	31,835	26,198	2,465
	1.85%	4.16%	1.25%	2.25%	2.56%	2.67%	1.78%	1.58%	1.86%	1.61%	1.28%	1.86%	0.83%	1.07%	0.11%
Red Flag Computation 7	36,518,684	1,088,182	1,737,057	2,698,556	3,417,004	3,468,641	4,740,270	4,415,251	4,173,208	3,425,790	2,611,780	1,944,935	1,223,030	919,152	655,830
	36.11%	43.09%	41.58%	47.00%	42.16%	31.84%	32.19%	32.87%	33.48%	36.92%	41.77%	38.89%	31.76%	37.55%	29.37%
Red Flag Computation 8	12,392,954	559,245	613,387	1,013,729	1,159,942	1,349,597	1,619,993	1,522,260	1,250,562	1,020,159	831,765	583,553	407,173	268,360	193,232
	12.25%	22.14%	14.68%	17.66%	14.31%	12.39%	11.00%	11.33%	10.03%	11.00%	13.30%	11.67%	10.57%	10.96%	8.65%
Red Flag Computation 9	4,353,149	72,697	100,858	226,173	404,042	534,494	698,812	686,351	570,042	441,288	294,719	123,863	54,596	32,287	112,929
	4.30%	2.88%	2.41%	3.94%	4.98%	4.91%	4.74%	5.11%	4.57%	4.76%	4.71%	2.48%	1.42%	1.32%	5.06%
Red Flag Computation 10	21,825,332	323,160	667,264	1,146,820	2,173,920	2,778,610	4,272,730	2,957,060	2,617,544	1,463,424	975,601	582,392	332,325	196,305	1,338,178
	21.58%	12.80%	15.97%	19.97%	26.82%	25.50%	29.01%	22.01%	21.00%	15.77%	15.60%	11.64%	8.63%	8.02%	59.93%
Red Flag Computation 11	21,209,344	323,160	667,264	1,146,820	2,173,920	2,778,610	4,272,730	2,957,060	2,617,544	1,463,424	975,601	582,392	332,325	196,305	722,190
	20.97%	12.80%	15.97%	19.97%	26.82%	25.50%	29.01%	22.01%	21.00%	15.77%	15.60%	11.64%	8.63%	8.02%	32.34%
Red Flag Computation 12	10,199,055	112,903	552,728	661,138	868,355	1,350,988	1,804,133	1,941,055	1,430,775	902,708	163,280	160,868	97,813	97,928	54,388
	10.08%	4.47%	13.23%	11.52%	10.71%	12.40%	12.25%	14.45%	11.48%	9.73%	2.61%	3.22%	2.54%	4.00%	2.44%
Red Flag Computation 13	7,423,558	100,953	367,940	471,583	650,535	1,041,088	1,471,655	1,407,690	1,042,845	591,433	72,355	60,788	78,498	41,505	24,693
	7.34%	4.00%	8.81%	8.21%	8.03%	9.56%	9.99%	10.48%	8.37%	6.37%	1.16%	1.22%	2.04%	1.70%	1.11%
Red Flag Computation 14	1,190,711	54,640	119,193	117,883	167,993	177,180	185,915	144,840	117,693	105,376	0	0	0	0	0
	1.18%	2.16%	2.85%	2.05%	2.07%	1.63%	1.26%	1.08%	0.94%	1.14%	0.00%	0.00%	0.00%	0.00%	0.00%
Red Flag Computation 15	55,183,291	1,240,383	2,239,544	3,282,618	4,727,220	6,252,549	8,371,423	7,144,107	6,805,791	5,316,846	3,305,077	2,521,384	1,799,520	1,099,508	1,077,322
	54.56%	49.11%	53.61%	57.18%	58.32%	57.39%	56.84%	53.18%	54.60%	57.30%	52.86%	50.41%	46.73%	44.91%	48.25%
Red Flag Computation 16	7,624,339	216,283	303,934	430,279	757,878	1,205,008	1,380,654	818,764	817,550	635,840	273,361	186,343	144,089	201,643	252,714
	7.54%	8.56%	7.28%	7.49%	9.35%	11.06%	9.37%	6.09%	6.56%	6.85%	4.37%	3.73%	3.74%	8.24%	11.32%
Flagged for Any of the Red Flag Computation 1-16	101,134,872	2,525,523	4,177,661	5,741,331	8,105,786	10,895,139	14,727,505	13,434,327	12,463,919	9,278,165	6,252,633	5,001,272	3,850,663	2,448,121	2,232,827
	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%

Notes

Defendant	Date Range
CVS	January 1, 2006 to November 29, 2019
Giant Eagle/HBC	January 1, 2006 to December 3, 2019
Rite Aid	January 1, 2006 to November 19, 2019
Walgreens	January 3, 2006 to January 3, 2020
Wal-Mart	January 2, 2006 to April 25, 2018

CONFIDENTIAL – SUBJECT TO PROTECTIVE ORDER

CVS Combination Red Flagged Prescriptions Summary
Trumbull County, OH
Red Flag Computation 1-16, in # of Prescriptions

	Total	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Total # of Combination Red Flagged Prescriptions	68,064	4,966	4,995	5,614	5,728	6,597	6,434	5,764	5,292	5,197	3,934	4,081	3,506	3,468	2,488
Total # of Combination Red Flagged Opioid Prescriptions	50,585	3,540	3,607	4,049	4,108	4,746	4,652	4,182	3,964	4,011	3,077	3,249	2,726	2,740	1,934
Red Flag Computation 1	1,577	101	141	172	143	174	159	161	117	76	58	92	59	69	55
	3.12%	2.85%	3.91%	4.25%	3.48%	3.67%	3.42%	3.85%	2.95%	1.89%	1.88%	2.83%	2.16%	2.52%	2.84%
Red Flag Computation 2	18,654	854	849	944	857	1,385	1,610	1,606	1,676	1,783	1,450	1,561	1,527	1,643	909
	36.88%	24.12%	23.54%	23.31%	20.86%	29.18%	34.61%	38.40%	42.28%	44.45%	47.12%	48.05%	56.02%	59.96%	47.00%
Red Flag Computation 3	8,384	582	698	818	953	1,003	906	699	662	589	367	440	240	267	160
	16.57%	16.44%	19.35%	20.20%	23.20%	21.13%	19.48%	16.71%	16.70%	14.68%	11.93%	13.54%	8.80%	9.74%	8.27%
Red Flag Computation 4	2,180	51	120	204	262	231	324	189	130	171	180	99	82	83	54
	4.31%	1.44%	3.33%	5.04%	6.38%	4.87%	6.96%	4.52%	3.28%	4.26%	5.85%	3.05%	3.01%	3.03%	2.79%
Red Flag Computation 5	9,160	813	783	771	901	1,072	962	810	633	597	512	355	390	339	222
	13.46%	16.37%	15.68%	13.73%	15.73%	16.25%	14.95%	14.05%	11.96%	11.49%	13.01%	8.70%	11.12%	9.78%	8.92%
Red Flag Computation 6	3,062	309	246	275	279	299	334	335	190	194	232	95	131	76	67
	4.50%	6.22%	4.92%	4.90%	4.87%	4.53%	5.19%	5.81%	3.59%	3.73%	5.90%	2.33%	3.74%	2.19%	2.69%
Red Flag Computation 7	38,836	3,036	3,096	3,424	3,583	3,999	3,794	3,407	2,922	2,688	2,033	2,083	1,836	1,685	1,250
	57.06%	61.14%	61.98%	60.99%	62.55%	60.62%	58.97%	59.11%	55.22%	51.72%	51.68%	51.04%	52.37%	48.59%	50.24%
Red Flag Computation 8	28,876	2,285	2,214	2,594	2,669	2,947	2,852	2,608	2,259	2,001	1,467	1,427	1,321	1,274	958
	42.42%	46.01%	44.32%	46.21%	46.60%	44.67%	44.33%	45.25%	42.69%	38.50%	37.29%	34.97%	37.68%	36.74%	38.50%
Red Flag Computation 9	1,938	116	116	78	122	172	158	100	141	225	232	254	114	48	62
	3.83%	3.28%	3.22%	1.93%	2.97%	3.62%	3.40%	2.39%	3.56%	5.61%	7.54%	7.82%	4.18%	1.75%	3.21%
Red Flag Computation 10	1,735	108	104	117	165	135	125	70	45	42	53	62	43	30	636
	3.43%	3.05%	2.88%	2.89%	4.02%	2.84%	2.69%	1.67%	1.14%	1.05%	1.72%	1.91%	1.58%	1.09%	32.89%
Red Flag Computation 11	1,185	108	104	117	165	135	125	70	45	42	53	62	43	30	86
	2.34%	3.05%	2.88%	2.89%	4.02%	2.84%	2.69%	1.67%	1.14%	1.05%	1.72%	1.91%	1.58%	1.09%	4.45%
Red Flag Computation 12	2,043	119	61	79	103	192	205	204	240	260	163	162	82	125	48
	4.04%	3.36%	1.69%	1.95%	2.51%	4.05%	4.41%	4.88%	6.05%	6.48%	5.30%	4.99%	3.01%	4.56%	2.48%
Red Flag Computation 13	1,542	105	53	68	141	136	140	106	165	168	125	142	86	72	35
	3.05%	2.97%	1.47%	1.68%	3.43%	2.87%	3.01%	2.53%	4.16%	4.19%	4.06%	4.37%	3.15%	2.63%	1.81%
Red Flag Computation 14	878	97	113	155	139	134	100	72	48	20	0	0	0	0	0
	1.74%	2.74%	3.13%	3.83%	3.38%	2.82%	2.15%	1.72%	1.21%	0.50%	0.00%	0.00%	0.00%	0.00%	0.00%
Red Flag Computation 15	14,303	1,086	1,264	1,462	1,493	1,609	1,388	1,028	864	937	728	830	629	572	413
	28.28%	30.68%	35.04%	36.11%	36.34%	33.90%	29.84%	24.58%	21.80%	23.36%	23.66%	25.55%	23.07%	20.88%	21.35%
Red Flag Computation 16	3,913	409	378	445	413	450	336	352	320	204	95	69	118	176	148
	7.74%	11.55%	10.48%	10.99%	10.05%	9.48%	7.22%	8.42%	8.07%	5.09%	3.09%	2.12%	4.33%	6.42%	7.65%
Flagged for Any of the Red Flag Computation 1-16	68,064	4,966	4,995	5,614	5,728	6,597	6,434	5,764	5,292	5,197	3,934	4,081	3,506	3,468	2,488
	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%

Notes

Defendant	Date Range
CVS	January 1, 2006 to November 29, 2019
Giant Eagle/HBC	January 1, 2006 to December 3, 2019
Rite Aid	January 1, 2006 to November 19, 2019
Walgreens	January 3, 2006 to January 3, 2020
Wal-Mart	January 2, 2006 to April 25, 2018

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CVS Combination Red Flagged Prescriptions Summary
Trumbull County, OH
Red Flag Computation 1-16, in Dosage Units

	Total	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Total Dosage Units of Combination Red Flagged Prescriptions	4,988,603	318,665	334,775	396,448	423,060	482,219	481,104	414,117	387,336	376,697	300,984	327,221	284,233	276,784	184,960
Total Dosage Units of Combination Red Flagged Opioid Prescriptions	3,864,862	229,548	245,422	294,137	313,665	362,817	366,634	315,342	304,896	303,335	245,122	271,677	234,242	227,980	150,045
Red Flag Computation 1	95,613	5,090	8,769	11,412	9,851	12,095	10,110	10,067	6,284	5,049	3,107	4,257	3,943	3,270	2,309
	2.47%	2.22%	3.57%	3.88%	3.14%	3.33%	2.76%	3.19%	2.06%	1.66%	1.27%	1.57%	1.68%	1.43%	1.54%
Red Flag Computation 2	1,254,729	47,906	44,484	56,104	56,014	85,514	105,378	98,793	109,309	116,517	97,350	120,571	119,572	131,014	66,203
	32.47%	20.87%	18.13%	19.07%	17.86%	23.57%	28.74%	31.33%	35.85%	38.41%	39.71%	44.38%	51.05%	57.47%	44.12%
Red Flag Computation 3	582,537	37,999	46,980	56,907	69,895	71,581	65,457	50,706	45,146	38,738	26,470	30,105	17,104	16,914	8,535
	15.07%	16.55%	19.14%	19.35%	22.28%	19.73%	17.85%	16.08%	14.81%	12.77%	10.80%	11.08%	7.30%	7.42%	5.69%
Red Flag Computation 4	177,690	2,972	8,861	17,031	19,761	17,970	26,512	16,593	9,053	12,982	17,535	8,556	7,452	6,946	5,466
	4.60%	1.29%	3.61%	5.79%	6.30%	4.95%	7.23%	5.26%	2.97%	4.28%	7.15%	3.15%	3.18%	3.05%	3.64%
Red Flag Computation 5	730,165	61,141	61,351	59,214	69,578	81,563	76,350	62,930	51,051	46,289	43,520	30,803	34,170	31,759	20,446
	14.64%	19.19%	18.33%	14.94%	16.45%	16.91%	15.87%	15.20%	13.18%	12.29%	14.46%	9.41%	12.02%	11.47%	11.05%
Red Flag Computation 6	236,872	24,836	20,524	22,689	18,794	21,237	24,646	23,919	14,150	12,380	18,912	9,314	11,483	7,253	6,735
	4.75%	7.79%	6.13%	5.72%	4.44%	4.40%	5.12%	5.78%	3.65%	3.29%	6.28%	2.85%	4.04%	2.62%	3.64%
Red Flag Computation 7	2,974,679	204,362	220,022	256,104	275,724	305,874	293,830	259,932	225,423	204,769	164,658	171,172	151,681	142,373	98,755
	59.63%	64.13%	65.72%	64.60%	65.17%	63.43%	61.07%	62.77%	58.20%	54.36%	54.71%	52.31%	53.37%	51.44%	53.39%
Red Flag Computation 8	2,224,113	157,929	163,428	197,862	207,068	228,712	218,563	198,481	172,250	150,805	118,363	117,200	108,453	108,077	76,922
	44.58%	49.56%	48.82%	49.91%	48.95%	47.43%	45.43%	47.93%	44.47%	40.03%	39.33%	35.82%	38.16%	39.05%	41.59%
Red Flag Computation 9	170,347	9,935	9,768	7,595	10,330	15,749	14,483	9,504	13,208	18,019	20,249	20,795	9,872	4,566	6,274
	4.41%	4.33%	3.98%	2.58%	3.29%	4.34%	3.95%	3.01%	4.33%	5.94%	8.26%	7.65%	4.21%	2.00%	4.18%
Red Flag Computation 10	165,082	8,402	7,852	9,398	14,174	11,898	11,778	6,746	3,540	3,510	6,130	6,108	7,050	7,470	61,026
	4.27%	3.66%	3.20%	3.20%	4.52%	3.28%	3.21%	2.14%	1.16%	1.16%	2.50%	2.25%	3.01%	3.28%	40.67%
Red Flag Computation 11	114,904	8,402	7,852	9,398	14,174	11,898	11,778	6,746	3,540	3,510	6,130	6,108	7,050	7,470	10,848
	2.97%	3.66%	3.20%	3.20%	4.52%	3.28%	3.21%	2.14%	1.16%	1.16%	2.50%	2.25%	3.01%	3.28%	7.23%
Red Flag Computation 12	183,576	5,614	2,958	6,002	8,939	17,981	19,625	17,056	21,925	26,805	15,242	15,162	8,426	13,108	4,733
	4.75%	2.45%	1.21%	2.04%	2.85%	4.96%	5.35%	5.41%	7.19%	8.84%	6.22%	5.58%	3.60%	5.75%	3.15%
Red Flag Computation 13	128,399	5,012	2,917	5,506	9,930	11,810	12,589	9,538	12,945	17,700	11,556	11,448	7,183	6,965	3,300
	3.32%	2.18%	1.19%	1.87%	3.17%	3.26%	3.43%	3.02%	4.25%	5.84%	4.71%	4.21%	3.07%	3.06%	2.20%
Red Flag Computation 14	79,738	7,738	8,776	13,228	11,762	11,410	11,299	7,875	5,753	1,897	0	0	0	0	0
	2.06%	3.37%	3.58%	4.50%	3.75%	3.14%	3.08%	2.50%	1.89%	0.63%	0.00%	0.00%	0.00%	0.00%	0.00%
Red Flag Computation 15	1,225,118	81,474	89,245	114,961	128,899	135,185	126,367	94,483	80,704	82,798	66,014	75,680	61,991	52,879	34,438
	31.70%	35.49%	36.36%	39.08%	41.09%	37.26%	34.47%	29.96%	26.47%	27.30%	26.93%	27.86%	26.46%	23.19%	22.95%
Red Flag Computation 16	222,883	18,978	17,974	22,506	23,486	25,981	19,703	21,368	20,616	10,900	5,135	5,003	7,556	12,209	11,468
	5.77%	8.27%	7.32%	7.65%	7.49%	7.16%	5.37%	6.78%	6.76%	3.59%	2.09%	1.84%	3.23%	5.36%	7.64%
Flagged for Any of the Red Flag Computation 1-16	4,988,603	318,665	334,775	396,448	423,060	482,219	481,104	414,117	387,336	376,697	300,984	327,221	284,233	276,784	184,960
	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%

Notes

Defendant	Date Range
CVS	January 1, 2006 to November 29, 2019
Giant Eagle/HBC	January 1, 2006 to December 3, 2019
Rite Aid	January 1, 2006 to November 19, 2019
Walgreens	January 3, 2006 to January 3, 2020
Wal-Mart	January 2, 2006 to April 25, 2018

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CVS Combination Red Flagged Prescriptions Summary
Trumbull County, OH
Red Flag Computation 1-16, in MME

	Total	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Total MME of Combination Red Flagged Prescriptions	55,694,361	3,685,377	3,750,431	4,411,361	4,997,658	5,534,923	5,553,719	4,201,737	3,876,832	3,943,136	3,359,122	3,790,069	3,283,401	3,163,408	2,143,187
Total MME of Combination Red Flagged Opioid Prescriptions	55,694,361	3,685,377	3,750,431	4,411,361	4,997,658	5,534,923	5,553,719	4,201,737	3,876,832	3,943,136	3,359,122	3,790,069	3,283,401	3,163,408	2,143,187
Red Flag Computation 1	1,316,384	95,702	120,505	208,830	115,063	195,473	162,113	117,575	73,445	51,843	27,793	43,935	44,993	26,518	32,600
	2.36%	2.60%	3.21%	4.73%	2.30%	3.53%	2.92%	2.80%	1.89%	1.31%	0.83%	1.16%	1.37%	0.84%	1.52%
Red Flag Computation 2	17,742,340	750,068	736,864	908,606	967,386	1,489,344	1,844,635	1,547,247	1,341,319	1,433,593	1,182,090	1,549,555	1,558,643	1,631,249	801,743
	31.86%	20.35%	19.65%	20.60%	19.36%	26.91%	33.21%	36.82%	34.60%	36.36%	35.19%	40.88%	47.47%	51.57%	37.41%
Red Flag Computation 3	9,942,462	659,992	845,399	969,259	1,244,208	1,442,677	1,117,205	800,931	734,925	685,886	381,313	486,180	249,198	211,740	113,549
	17.85%	17.91%	22.54%	21.97%	24.90%	26.06%	20.12%	19.06%	18.96%	17.39%	11.35%	12.83%	7.59%	6.69%	5.30%
Red Flag Computation 4	2,748,538	51,873	107,148	201,718	304,260	281,495	507,403	225,418	186,460	239,516	231,459	110,435	91,315	111,870	98,170
	4.94%	1.41%	2.86%	4.57%	6.09%	5.09%	9.14%	5.36%	4.81%	6.07%	6.89%	2.91%	2.78%	3.54%	4.58%
Red Flag Computation 5	6,813,502	553,052	497,827	552,499	686,803	856,478	687,126	438,847	370,492	392,148	444,100	372,107	386,839	343,243	231,945
	12.23%	15.01%	13.27%	12.52%	13.74%	15.47%	12.37%	10.44%	9.56%	9.95%	13.22%	9.82%	11.78%	10.85%	10.82%
Red Flag Computation 6	1,588,676	145,208	103,925	165,730	107,530	127,588	106,720	111,869	68,650	66,668	208,380	118,224	106,809	83,653	67,725
	2.85%	3.94%	2.77%	3.76%	2.15%	2.31%	1.92%	2.66%	1.77%	1.69%	6.20%	3.12%	3.25%	2.64%	3.16%
Red Flag Computation 7	28,549,562	2,019,523	2,068,693	2,447,919	2,822,868	3,014,201	2,861,877	2,241,298	1,904,660	1,809,236	1,688,908	1,687,340	1,531,188	1,467,141	984,710
	51.26%	54.80%	55.16%	55.49%	56.48%	54.46%	51.53%	53.34%	49.13%	45.88%	50.28%	44.52%	46.63%	46.38%	45.95%
Red Flag Computation 8	17,625,164	1,278,983	1,236,850	1,547,680	1,690,831	1,717,683	1,684,566	1,376,758	1,248,726	1,084,478	1,134,852	937,678	986,625	1,021,868	677,586
	31.65%	34.70%	32.98%	35.08%	33.83%	31.03%	30.33%	32.77%	32.21%	27.50%	33.78%	24.74%	30.05%	32.30%	31.62%
Red Flag Computation 9	2,577,880	92,213	88,235	80,823	104,450	253,796	263,660	162,108	196,610	251,815	342,695	320,025	196,320	108,660	116,472
	4.63%	2.50%	2.35%	1.83%	2.09%	4.59%	4.75%	3.86%	5.07%	6.39%	10.20%	8.44%	5.98%	3.43%	5.43%
Red Flag Computation 10	10,897,501	992,640	904,095	1,025,310	1,377,210	1,170,870	1,075,545	633,000	383,550	387,000	458,730	476,250	395,250	318,150	1,299,901
	19.57%	26.93%	24.11%	23.24%	27.56%	21.15%	19.37%	15.07%	9.89%	9.81%	13.66%	12.57%	12.04%	10.06%	60.65%
Red Flag Computation 11	10,046,580	992,640	904,095	1,025,310	1,377,210	1,170,870	1,075,545	633,000	383,550	387,000	458,730	476,250	395,250	318,150	448,980
	18.04%	26.93%	24.11%	23.24%	27.56%	21.15%	19.37%	15.07%	9.89%	9.81%	13.66%	12.57%	12.04%	10.06%	20.95%
Red Flag Computation 12	1,852,815	46,600	25,280	53,778	84,733	174,053	187,810	160,408	216,590	278,473	169,558	171,650	86,595	140,495	56,795
	3.33%	1.26%	0.67%	1.22%	1.70%	3.14%	3.38%	3.82%	5.59%	7.06%	5.05%	4.53%	2.64%	4.44%	2.65%
Red Flag Computation 13	1,297,180	38,235	21,383	49,730	98,895	107,025	116,215	90,455	122,830	184,440	123,275	137,730	87,313	80,385	39,270
	2.33%	1.04%	0.57%	1.13%	1.98%	1.93%	2.09%	2.15%	3.17%	4.68%	3.67%	3.63%	2.66%	2.54%	1.83%
Red Flag Computation 14	714,645	63,973	73,105	125,693	104,495	117,925	102,230	63,413	46,790	17,023	0	0	0	0	0
	1.28%	1.74%	1.95%	2.85%	2.09%	2.13%	1.84%	1.51%	1.21%	0.43%	0.00%	0.00%	0.00%	0.00%	0.00%
Red Flag Computation 15	26,201,465	2,088,796	2,149,437	2,697,987	2,892,081	2,971,526	2,703,593	1,792,854	1,425,046	1,513,318	1,262,181	1,521,900	1,341,099	1,123,058	718,591
	47.05%	56.68%	57.31%	61.16%	57.87%	53.69%	48.68%	42.67%	36.76%	38.38%	37.57%	40.15%	40.84%	35.50%	33.53%
Red Flag Computation 16	2,506,225	182,975	156,292	214,982	248,429	267,161	202,703	193,388	212,340	111,948	59,968	65,309	138,329	212,603	239,801
	4.50%	4.96%	4.17%	4.87%	4.97%	4.83%	3.65%	4.60%	5.48%	2.84%	1.79%	1.72%	4.21%	6.72%	11.19%
Flagged for Any of the Red Flag Computation 1-16	55,694,361	3,685,377	3,750,431	4,411,361	4,997,658	5,534,923	5,553,719	4,201,737	3,876,832	3,943,136	3,359,122	3,790,069	3,283,401	3,163,408	2,143,187
	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%

Notes

Defendant	Date Range
CVS	January 1, 2006 to November 29, 2019
Giant Eagle/HBC	January 1, 2006 to December 3, 2019
Rite Aid	January 1, 2006 to November 19, 2019
Walgreens	January 3, 2006 to January 3, 2020
Wal-Mart	January 2, 2006 to April 25, 2018

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Giant Eagle/HBC Combination Red Flagged Prescriptions Summary
Lake County and Trumbull County, OH
Red Flag Computation 1-16, in # of Prescriptions

	Total	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Total # of Combination Red Flagged Prescriptions	164,698	11,103	12,846	14,932	15,117	15,821	17,450	17,713	13,452	11,746	10,083	8,288	6,179	5,332	4,636
Total # of Combination Red Flagged Opioid Prescriptions	125,994	8,616	9,877	11,643	11,708	12,230	13,437	13,682	10,035	8,757	7,545	6,217	4,602	4,036	3,609
Red Flag Computation 1	2,889	188	231	197	219	227	343	315	251	287	192	114	115	107	103
	2.29%	2.18%	2.34%	1.69%	1.87%	1.86%	2.55%	2.30%	2.50%	3.28%	2.54%	1.83%	2.50%	2.65%	2.85%
Red Flag Computation 2	29,231	2,137	2,207	2,359	2,316	2,389	2,864	2,598	2,529	2,455	2,226	1,777	1,322	1,135	917
	23.20%	24.80%	22.34%	20.26%	19.78%	19.53%	21.31%	18.99%	25.20%	28.03%	29.50%	28.58%	28.73%	28.12%	25.41%
Red Flag Computation 3	21,885	1,460	1,685	2,110	2,052	2,069	2,403	2,412	1,902	1,528	1,266	1,056	761	636	545
	17.37%	16.95%	17.06%	18.12%	17.53%	16.92%	17.88%	17.63%	18.95%	17.45%	16.78%	16.99%	16.54%	15.76%	15.10%
Red Flag Computation 4	6,221	339	537	516	577	566	605	683	548	511	449	331	203	194	162
	4.94%	3.93%	5.44%	4.43%	4.93%	4.63%	4.50%	4.99%	5.46%	5.84%	5.95%	5.32%	4.41%	4.81%	4.49%
Red Flag Computation 5	21,386	1,356	1,697	1,741	1,961	2,052	2,541	2,423	2,040	1,559	1,208	1,051	726	599	432
	12.98%	12.21%	13.21%	11.66%	12.97%	12.97%	14.56%	13.68%	15.17%	13.27%	11.98%	12.68%	11.75%	11.23%	9.32%
Red Flag Computation 6	6,262	331	648	640	676	728	862	689	599	386	296	209	106	58	34
	3.80%	2.98%	5.04%	4.29%	4.47%	4.60%	4.94%	3.89%	4.45%	3.29%	2.94%	2.52%	1.72%	1.09%	0.73%
Red Flag Computation 7	89,220	5,879	6,789	7,495	7,818	8,241	9,133	9,189	7,658	6,862	5,976	4,881	3,721	3,152	2,426
	54.17%	52.95%	52.85%	50.19%	51.72%	52.09%	52.34%	51.88%	56.93%	58.42%	59.27%	58.89%	60.22%	59.11%	52.33%
Red Flag Computation 8	61,969	3,831	4,697	5,272	5,398	5,735	6,287	6,358	5,348	4,793	4,300	3,432	2,611	2,183	1,724
	37.63%	34.50%	36.56%	35.31%	35.71%	36.25%	36.03%	35.89%	39.76%	40.81%	42.65%	41.41%	42.26%	40.94%	37.19%
Red Flag Computation 9	4,768	194	309	304	308	320	493	365	384	459	496	382	263	293	198
	3.78%	2.25%	3.13%	2.61%	2.63%	2.62%	3.67%	2.67%	3.83%	5.24%	6.57%	6.14%	5.71%	7.26%	5.49%
Red Flag Computation 10	4,148	485	353	224	210	256	283	227	197	190	226	137	98	52	1,210
	3.29%	5.63%	3.57%	1.92%	1.79%	2.09%	2.11%	1.66%	1.96%	2.17%	3.00%	2.20%	2.13%	1.29%	33.53%
Red Flag Computation 11	3,138	485	353	224	210	256	283	227	197	190	226	137	98	52	200
	2.49%	5.63%	3.57%	1.92%	1.79%	2.09%	2.11%	1.66%	1.96%	2.17%	3.00%	2.20%	2.13%	1.29%	5.54%
Red Flag Computation 12	7,075	475	637	685	739	705	798	1,002	560	463	326	122	131	169	263
	5.62%	5.51%	6.45%	5.88%	6.31%	5.76%	5.94%	7.32%	5.58%	5.29%	4.32%	1.96%	2.85%	4.19%	7.29%
Red Flag Computation 13	19,624	1,670	2,081	2,603	2,557	2,817	3,323	3,503	503	165	119	59	49	80	95
	15.58%	19.38%	21.07%	22.36%	21.84%	23.03%	24.73%	25.60%	5.01%	1.88%	1.58%	0.95%	1.06%	1.98%	2.63%
Red Flag Computation 14	3,450	231	405	499	454	465	458	391	316	231	0	0	0	0	0
	2.74%	2.68%	4.10%	4.29%	3.88%	3.80%	3.41%	2.86%	3.15%	2.64%	0.00%	0.00%	0.00%	0.00%	0.00%
Red Flag Computation 15	38,025	2,503	3,193	3,617	3,564	3,619	3,982	3,987	3,326	2,642	1,979	1,809	1,474	1,305	1,025
	30.18%	29.05%	32.33%	31.07%	30.44%	29.59%	29.63%	29.14%	33.14%	30.17%	26.23%	29.10%	32.03%	32.33%	28.40%
Red Flag Computation 16	5,692	0	52	1,458	1,017	898	473	847	426	297	107	79	18	18	2
	4.52%	0.00%	0.53%	12.52%	8.69%	7.34%	3.52%	6.19%	4.25%	3.39%	1.42%	1.27%	0.39%	0.45%	0.06%
Flagged for Any of the Red Flag Computation 1-16	164,698	11,103	12,846	14,932	15,117	15,821	17,450	17,713	13,452	11,746	10,083	8,288	6,179	5,332	4,636
	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%

Notes

Defendant	Date Range
CVS	January 1, 2006 to November 29, 2019
Giant Eagle/HBC	January 1, 2006 to December 3, 2019
Rite Aid	January 1, 2006 to November 19, 2019
Walgreens	January 3, 2006 to January 3, 2020
Wal-Mart	January 2, 2006 to April 25, 2018

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Giant Eagle/HBC Combination Red Flagged Prescriptions Summary
Lake County and Trumbull County, OH
Red Flag Computation 1-16, in Dosage Units

	Total	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Total Dosage Units of Combination Red Flagged Prescriptions	10,980,502	710,606	834,993	997,504	1,027,769	1,053,967	1,191,147	1,213,832	922,252	785,567	639,045	542,914	410,238	343,451	307,217
Total Dosage Units of Combination Red Flagged Opioid Prescriptions	8,704,392	557,511	657,519	801,542	810,560	838,165	952,550	975,835	721,839	607,078	501,295	430,556	324,178	274,564	251,200
Red Flag Computation 1	181,641	12,013	14,551	13,242	13,228	12,796	21,468	20,792	13,727	16,060	11,754	8,282	7,762	6,977	8,989
	2.09%	2.15%	2.21%	1.65%	1.63%	1.53%	2.25%	2.13%	1.90%	2.65%	2.34%	1.92%	2.39%	2.54%	3.58%
Red Flag Computation 2	1,633,487	118,961	125,930	141,517	137,626	135,708	166,715	146,964	132,754	118,880	101,706	99,486	82,355	69,307	55,578
	18.77%	21.34%	19.15%	17.66%	16.98%	16.19%	17.50%	15.06%	18.39%	19.58%	20.29%	23.11%	25.40%	25.24%	22.13%
Red Flag Computation 3	1,402,869	91,142	109,361	138,559	140,089	133,441	159,719	158,746	121,563	94,550	73,933	67,022	47,238	37,428	30,078
	16.12%	16.35%	16.63%	17.29%	17.28%	15.92%	16.77%	16.27%	16.84%	15.57%	14.75%	15.57%	14.57%	13.63%	11.97%
Red Flag Computation 4	479,467	22,813	36,642	37,987	43,721	40,049	48,205	52,538	41,364	43,981	36,389	29,454	16,691	16,534	13,099
	5.51%	4.09%	5.57%	4.74%	5.39%	4.78%	5.06%	5.38%	5.73%	7.24%	7.26%	6.84%	5.15%	6.02%	5.21%
Red Flag Computation 5	1,579,447	95,547	119,485	130,460	157,986	150,246	196,096	185,184	155,679	118,002	85,435	75,126	47,142	36,656	26,403
	14.38%	13.45%	14.31%	13.08%	15.37%	14.26%	16.46%	15.26%	16.88%	15.02%	13.37%	13.84%	11.49%	10.67%	8.59%
Red Flag Computation 6	477,568	24,934	43,755	47,574	56,538	57,698	67,102	51,518	47,888	31,777	22,189	15,602	6,122	3,459	1,412
	4.35%	3.51%	5.24%	4.77%	5.50%	5.47%	5.63%	4.24%	5.19%	4.05%	3.47%	2.87%	1.49%	1.01%	0.46%
Red Flag Computation 7	6,136,126	394,089	459,158	526,268	559,872	574,837	646,373	641,825	529,162	474,844	397,240	326,202	246,284	202,867	157,105
	55.88%	55.46%	54.99%	52.76%	54.47%	54.54%	54.26%	52.88%	57.38%	60.45%	62.16%	60.08%	60.03%	59.07%	51.14%
Red Flag Computation 8	4,274,509	265,139	320,851	363,670	389,660	401,482	436,257	442,561	367,201	337,496	285,364	228,558	173,334	144,930	118,006
	38.93%	37.31%	38.43%	36.46%	37.91%	38.09%	36.62%	36.46%	39.82%	42.96%	44.65%	42.10%	42.25%	42.20%	38.41%
Red Flag Computation 9	333,147	13,422	18,620	22,685	25,252	26,050	42,997	30,423	29,062	27,990	30,639	24,610	15,194	14,889	11,314
	3.83%	2.41%	2.83%	2.83%	3.12%	3.11%	4.51%	3.12%	4.03%	4.61%	6.11%	5.72%	4.69%	5.42%	4.50%
Red Flag Computation 10	338,426	43,079	30,290	17,293	17,726	15,490	20,692	16,351	19,206	15,544	17,333	11,306	8,580	3,528	102,008
	3.89%	7.73%	4.61%	2.16%	2.19%	1.85%	2.17%	1.68%	2.66%	2.56%	3.46%	2.63%	2.65%	1.28%	40.61%
Red Flag Computation 11	248,228	43,079	30,290	17,293	17,726	15,490	20,692	16,351	19,206	15,544	17,333	11,306	8,580	3,528	11,810
	2.85%	7.73%	4.61%	2.16%	2.19%	1.85%	2.17%	1.68%	2.66%	2.56%	3.46%	2.63%	2.65%	1.28%	4.70%
Red Flag Computation 12	551,602	25,169	43,928	52,647	51,246	53,861	60,535	78,295	51,124	43,803	30,216	9,271	10,481	16,032	24,994
	6.34%	4.51%	6.68%	6.57%	6.32%	6.43%	6.36%	8.02%	7.08%	7.22%	6.03%	2.15%	3.23%	5.84%	9.95%
Red Flag Computation 13	1,296,762	88,139	128,185	178,928	169,874	178,921	221,555	242,863	40,393	12,751	10,450	4,957	4,210	6,342	9,194
	14.90%	15.81%	19.50%	22.32%	20.96%	21.35%	23.26%	24.89%	5.60%	2.10%	2.08%	1.15%	1.30%	2.31%	3.66%
Red Flag Computation 14	326,967	21,966	39,080	48,541	41,776	41,527	43,499	39,311	29,595	21,672	0	0	0	0	0
	3.76%	3.94%	5.94%	6.06%	5.15%	4.95%	4.57%	4.03%	4.10%	3.57%	0.00%	0.00%	0.00%	0.00%	0.00%
Red Flag Computation 15	3,162,783	197,737	251,716	305,341	304,971	305,964	340,710	360,055	289,479	227,258	157,103	144,045	113,517	92,076	72,811
	36.34%	35.47%	38.28%	38.09%	37.62%	36.50%	35.77%	36.90%	40.10%	37.43%	31.34%	33.46%	35.02%	33.54%	28.99%
Red Flag Computation 16	231,407	0	2,843	71,195	46,600	35,716	16,915	28,246	15,139	9,197	2,659	1,847	318	682	50
	2.66%	0.00%	0.43%	8.88%	5.75%	4.26%	1.78%	2.89%	2.10%	1.51%	0.53%	0.43%	0.10%	0.25%	0.02%
Flagged for Any of the Red Flag Computation 1-16	10,980,502	710,606	834,993	997,504	1,027,769	1,053,967	1,191,147	1,213,832	922,252	785,567	639,045	542,914	410,238	343,451	307,217
	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%

Notes

Defendant	Date Range
CVS	January 1, 2006 to November 29, 2019
Giant Eagle/HBC	January 1, 2006 to December 3, 2019
Rite Aid	January 1, 2006 to November 19, 2019
Walgreens	January 3, 2006 to January 3, 2020
Wal-Mart	January 2, 2006 to April 25, 2018

CONFIDENTIAL – SUBJECT TO PROTECTIVE ORDER

Giant Eagle/HBC Combination Red Flagged Prescriptions Summary
Lake County and Trumbull County, OH
Red Flag Computation 1-16, in MME

	Total	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Total MME of Combination Red Flagged Prescriptions	116,972,378	8,676,733	8,663,788	10,379,839	10,699,454	10,861,712	12,238,692	12,139,320	9,313,615	8,265,486	7,608,837	6,148,491	4,727,080	3,911,900	3,337,431
Total MME of Combination Red Flagged Opioid Prescriptions	116,972,378	8,676,733	8,663,788	10,379,839	10,699,454	10,861,712	12,238,692	12,139,320	9,313,615	8,265,486	7,608,837	6,148,491	4,727,080	3,911,900	3,337,431
Red Flag Computation 1	2,400,915	129,125	162,508	162,205	176,093	163,153	309,418	330,380	221,170	216,103	133,945	98,406	94,298	93,960	110,153
	2.05%	1.49%	1.88%	1.56%	1.65%	1.50%	2.53%	2.72%	2.37%	2.61%	1.76%	1.60%	1.99%	2.40%	3.30%
Red Flag Computation 2	21,191,385	1,773,992	1,600,904	1,856,424	1,733,657	1,561,764	2,112,389	2,104,344	1,641,905	1,405,518	1,170,422	1,201,507	1,187,354	1,090,833	750,372
	18.12%	20.45%	18.48%	17.88%	16.20%	14.38%	17.26%	17.33%	17.63%	17.00%	15.38%	19.54%	25.12%	27.88%	22.48%
Red Flag Computation 3	21,012,270	1,527,694	1,697,260	2,118,781	2,169,774	1,892,178	2,353,582	2,375,257	1,693,540	1,317,274	1,093,962	945,999	805,868	600,727	420,376
	17.96%	17.61%	19.59%	20.41%	20.28%	17.42%	19.23%	19.57%	18.18%	15.94%	14.38%	15.39%	17.05%	15.36%	12.60%
Red Flag Computation 4	7,884,630	431,464	735,881	661,648	722,119	695,471	838,266	851,492	738,094	653,540	479,163	359,759	260,621	258,032	199,083
	6.74%	4.97%	8.49%	6.37%	6.75%	6.40%	6.85%	7.01%	7.92%	7.91%	6.30%	5.85%	5.51%	6.60%	5.97%
Red Flag Computation 5	13,408,620	910,410	791,937	978,220	1,577,045	1,320,293	1,651,996	1,449,139	1,124,182	999,975	764,000	576,330	415,717	515,309	334,068
	11.46%	10.49%	9.14%	9.42%	14.74%	12.16%	13.50%	11.94%	12.07%	12.10%	10.04%	9.37%	8.79%	13.17%	10.01%
Red Flag Computation 6	3,070,248	176,548	186,397	183,453	357,233	431,787	551,664	318,303	305,500	261,585	128,336	100,795	42,515	17,185	8,950
	2.62%	2.03%	2.15%	1.77%	3.34%	3.98%	4.51%	2.62%	3.28%	3.16%	1.69%	1.64%	0.90%	0.44%	0.27%
Red Flag Computation 7	59,193,819	4,077,151	4,150,347	4,623,359	5,331,527	5,508,065	6,232,900	5,908,245	4,981,355	4,719,892	4,475,564	3,315,275	2,431,861	2,016,291	1,421,990
	50.60%	46.99%	47.90%	44.54%	49.83%	50.71%	50.93%	48.67%	53.48%	57.10%	58.82%	53.92%	51.45%	51.54%	42.61%
Red Flag Computation 8	33,158,422	2,251,011	2,438,811	2,492,112	2,800,495	3,241,877	3,622,533	3,296,397	2,809,465	2,612,765	2,517,612	1,874,780	1,298,020	1,018,537	884,008
	28.35%	25.94%	28.15%	24.01%	26.17%	29.85%	29.60%	27.15%	30.17%	31.61%	33.09%	30.49%	27.46%	26.04%	26.49%
Red Flag Computation 9	4,874,088	249,351	288,322	244,890	279,074	337,065	647,988	394,093	411,313	389,634	489,388	425,456	283,661	269,408	164,448
	4.17%	2.87%	3.33%	2.36%	2.61%	3.10%	5.29%	3.25%	4.42%	4.71%	6.43%	6.92%	6.00%	6.89%	4.93%
Red Flag Computation 10	21,948,821	2,549,722	1,571,878	1,877,330	2,042,150	1,873,814	2,121,302	1,657,544	1,459,790	1,422,147	1,640,394	890,799	558,180	282,440	2,001,331
	18.76%	29.39%	18.14%	18.09%	19.09%	17.25%	17.33%	13.65%	15.67%	17.21%	21.56%	14.49%	11.81%	7.22%	59.97%
Red Flag Computation 11	20,497,938	2,549,722	1,571,878	1,877,330	2,042,150	1,873,814	2,121,302	1,657,544	1,459,790	1,422,147	1,640,394	890,799	558,180	282,440	550,448
	17.52%	29.39%	18.14%	18.09%	19.09%	17.25%	17.33%	13.65%	15.67%	17.21%	21.56%	14.49%	11.81%	7.22%	16.49%
Red Flag Computation 12	4,908,563	196,595	363,845	454,288	433,220	487,595	529,948	654,988	442,650	402,973	313,543	81,195	103,910	166,778	277,038
	4.20%	2.27%	4.20%	4.38%	4.05%	4.49%	4.33%	5.40%	4.75%	4.88%	4.12%	1.32%	2.20%	4.26%	8.30%
Red Flag Computation 13	10,777,933	687,455	1,043,116	1,443,424	1,376,000	1,527,110	1,888,750	1,977,248	343,208	118,788	112,183	39,538	42,834	70,750	107,533
	9.21%	7.92%	12.04%	13.91%	12.86%	14.06%	15.43%	16.29%	3.69%	1.44%	1.47%	0.64%	0.91%	1.81%	3.22%
Red Flag Computation 14	2,467,666	158,155	292,100	364,250	314,593	328,653	332,115	292,710	226,043	159,049	0	0	0	0	0
	2.11%	1.82%	3.37%	3.51%	2.94%	3.03%	2.71%	2.41%	2.43%	1.92%	0.00%	0.00%	0.00%	0.00%	0.00%
Red Flag Computation 15	60,944,306	4,613,805	4,567,887	5,668,292	5,928,271	5,628,954	6,109,470	6,134,271	4,944,783	4,413,716	3,935,708	3,208,550	2,451,178	2,050,801	1,288,621
	52.10%	53.17%	52.72%	54.61%	55.41%	51.82%	49.92%	50.53%	53.09%	53.40%	51.73%	52.18%	51.85%	52.42%	38.61%
Red Flag Computation 16	1,989,795	0	21,490	654,134	415,958	285,054	138,164	232,146	116,767	81,893	21,746	13,148	2,826	6,170	300
	1.70%	0.00%	0.25%	6.30%	3.89%	2.62%	1.13%	1.91%	1.25%	0.99%	0.29%	0.21%	0.06%	0.16%	0.01%
Flagged for Any of the Red Flag Computation 1-16	116,972,378	8,676,733	8,663,788	10,379,839	10,699,454	10,861,712	12,238,692	12,139,320	9,313,615	8,265,486	7,608,837	6,148,491	4,727,080	3,911,900	3,337,431
	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%

Notes

Defendant	Date Range
CVS	January 1, 2006 to November 29, 2019
Giant Eagle/HBC	January 1, 2006 to December 3, 2019
Rite Aid	January 1, 2006 to November 19, 2019
Walgreens	January 3, 2006 to January 3, 2020
Wal-Mart	January 2, 2006 to April 25, 2018

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Giant Eagle/HBC Combination Red Flagged Prescriptions Summary
Lake County, OH
Red Flag Computation 1-16, in # of Prescriptions

	Total	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Total # of Combination Red Flagged Prescriptions	56,913	2,783	3,394	4,365	5,045	5,170	6,183	6,442	5,064	4,632	4,371	3,505	2,421	1,941	1,597
Total # of Combination Red Flagged Opioid Prescriptions	45,795	2,277	2,713	3,540	4,093	4,131	4,970	5,229	3,973	3,658	3,503	2,791	1,953	1,593	1,371
Red Flag Computation 1	1,791	85	132	100	100	120	206	205	162	210	145	81	89	91	65
	3.91%	3.73%	4.87%	2.82%	2.44%	2.90%	4.14%	3.92%	4.08%	5.74%	4.14%	2.90%	4.56%	5.71%	4.74%
Red Flag Computation 2	13,128	788	829	981	998	988	1,287	1,212	1,209	1,222	1,240	913	635	501	325
	28.67%	34.61%	30.56%	27.71%	24.38%	23.92%	25.90%	23.18%	30.43%	33.41%	35.40%	32.71%	32.51%	31.45%	23.71%
Red Flag Computation 3	7,742	456	483	584	737	686	796	874	800	647	557	409	277	217	219
	16.91%	20.03%	17.80%	16.50%	18.01%	16.61%	16.02%	16.71%	20.14%	17.69%	15.90%	14.65%	14.18%	13.62%	15.97%
Red Flag Computation 4	2,710	108	161	171	267	269	270	365	264	178	222	166	113	89	67
	5.92%	4.74%	5.93%	4.83%	6.52%	6.51%	5.43%	6.98%	6.64%	4.87%	6.34%	5.95%	5.79%	5.59%	4.89%
Red Flag Computation 5	7,102	367	446	493	644	688	813	778	694	593	505	391	274	244	172
	12.48%	13.19%	13.14%	11.29%	12.77%	13.31%	13.15%	12.08%	13.70%	12.80%	11.55%	11.16%	11.32%	12.57%	10.77%
Red Flag Computation 6	1,708	64	142	135	181	231	263	222	126	152	99	36	17	19	21
	3.00%	2.30%	4.18%	3.09%	3.59%	4.47%	4.25%	3.45%	2.49%	3.28%	2.26%	1.03%	0.70%	0.98%	1.31%
Red Flag Computation 7	27,418	1,259	1,594	1,960	2,228	2,429	2,917	2,956	2,635	2,440	2,263	1,858	1,277	979	623
	48.18%	45.24%	46.97%	44.90%	44.16%	46.98%	47.18%	45.89%	52.03%	52.68%	51.77%	53.01%	52.75%	50.44%	39.01%
Red Flag Computation 8	17,163	761	1,009	1,274	1,434	1,611	1,879	1,894	1,610	1,484	1,437	1,150	731	543	346
	30.16%	27.34%	29.73%	29.19%	28.42%	31.16%	30.39%	29.40%	31.79%	32.04%	32.88%	32.81%	30.19%	27.98%	21.67%
Red Flag Computation 9	1,815	85	91	84	78	80	134	111	143	221	228	176	144	129	111
	3.96%	3.73%	3.35%	2.37%	1.91%	1.94%	2.70%	2.12%	3.60%	6.04%	6.51%	6.31%	7.37%	8.10%	8.10%
Red Flag Computation 10	1,000	56	14	41	39	54	61	55	37	32	71	53	43	15	429
	2.18%	2.46%	0.52%	1.16%	0.95%	1.31%	1.23%	1.05%	0.93%	0.87%	2.03%	1.90%	2.20%	0.94%	31.29%
Red Flag Computation 11	639	56	14	41	39	54	61	55	37	32	71	53	43	15	68
	1.40%	2.46%	0.52%	1.16%	0.95%	1.31%	1.23%	1.05%	0.93%	0.87%	2.03%	1.90%	2.20%	0.94%	4.96%
Red Flag Computation 12	1,936	71	114	139	168	158	277	307	136	109	82	45	53	96	181
	4.23%	3.12%	4.20%	3.93%	4.10%	3.82%	5.57%	5.87%	3.42%	2.98%	2.34%	1.61%	2.71%	6.03%	13.20%
Red Flag Computation 13	5,401	279	408	674	634	746	1,130	1,174	149	37	33	26	19	26	66
	11.79%	12.25%	15.04%	19.04%	15.49%	18.06%	22.74%	22.45%	3.75%	1.01%	0.94%	0.93%	0.97%	1.63%	4.81%
Red Flag Computation 14	1,246	99	144	153	162	137	196	159	110	86	0	0	0	0	0
	2.72%	4.35%	5.31%	4.32%	3.96%	3.32%	3.94%	3.04%	2.77%	2.35%	0.00%	0.00%	0.00%	0.00%	0.00%
Red Flag Computation 15	12,859	749	784	806	1,197	1,018	1,225	1,370	1,279	1,160	921	847	606	516	381
	28.08%	32.89%	28.90%	22.77%	29.25%	24.64%	24.65%	26.20%	32.19%	31.71%	26.29%	30.35%	31.03%	32.39%	27.79%
Red Flag Computation 16	3,106	0	0	640	691	605	255	424	215	142	62	41	15	14	2
	6.78%	0.00%	0.00%	18.08%	16.88%	14.65%	5.13%	8.11%	5.41%	3.88%	1.77%	1.47%	0.77%	0.88%	0.15%
Flagged for Any of the Red Flag Computation 1-16	56,913	2,783	3,394	4,365	5,045	5,170	6,183	6,442	5,064	4,632	4,371	3,505	2,421	1,941	1,597
	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%

Notes

Defendant	Date Range
CVS	January 1, 2006 to November 29, 2019
Giant Eagle/HBC	January 1, 2006 to December 3, 2019
Rite Aid	January 1, 2006 to November 19, 2019
Walgreens	January 3, 2006 to January 3, 2020
Wal-Mart	January 2, 2006 to April 25, 2018

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Giant Eagle/HBC Combination Red Flagged Prescriptions Summary
Lake County, OH
Red Flag Computation 1-16, in Dosage Units

	Total	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Total Dosage Units of Combination Red Flagged Prescriptions	3,490,999	164,866	195,810	270,716	316,769	323,454	394,476	408,437	317,303	269,950	248,159	213,120	146,444	115,323	106,172
Total Dosage Units of Combination Red Flagged Opioid Prescriptions	2,941,844	136,450	163,003	233,074	264,487	267,674	328,719	348,291	263,075	222,360	209,500	179,368	126,362	102,633	96,848
Red Flag Computation 1	115,489	4,763	8,401	6,110	6,166	7,086	13,302	13,715	10,098	11,897	9,302	6,663	6,690	5,787	5,509
	3.93%	3.49%	5.15%	2.62%	2.33%	2.65%	4.05%	3.94%	3.84%	5.35%	4.44%	3.71%	5.29%	5.64%	5.69%
Red Flag Computation 2	718,156	42,119	49,293	61,983	60,914	55,730	72,319	63,721	58,925	57,388	56,391	50,702	37,421	30,033	21,217
	24.41%	30.87%	30.24%	26.59%	23.03%	20.82%	22.00%	18.30%	22.40%	25.81%	26.92%	28.27%	29.61%	29.26%	21.91%
Red Flag Computation 3	444,942	24,156	27,581	35,485	44,339	39,879	45,034	50,988	46,073	36,048	31,917	22,790	17,001	11,366	12,285
	15.12%	17.70%	16.92%	15.22%	16.76%	14.90%	13.70%	14.64%	17.51%	16.21%	15.23%	12.71%	13.45%	11.07%	12.68%
Red Flag Computation 4	205,247	6,770	11,229	11,938	19,730	19,244	22,053	28,208	18,167	12,862	18,131	14,674	9,133	7,616	5,492
	6.98%	4.96%	6.89%	5.12%	7.46%	7.19%	6.71%	8.10%	6.91%	5.78%	8.65%	8.18%	7.23%	7.42%	5.67%
Red Flag Computation 5	508,338	27,658	28,721	33,467	51,641	53,781	67,036	59,686	48,446	40,318	31,885	26,410	15,042	13,344	10,903
	14.56%	16.78%	14.67%	12.36%	16.30%	16.63%	16.99%	14.61%	15.27%	14.94%	12.85%	12.39%	10.27%	11.57%	10.27%
Red Flag Computation 6	125,261	5,028	7,638	8,017	14,440	18,786	22,071	15,948	9,359	11,512	6,852	3,270	554	878	908
	3.59%	3.05%	3.90%	2.96%	4.56%	5.81%	5.60%	3.90%	2.95%	4.26%	2.76%	1.53%	0.38%	0.76%	0.86%
Red Flag Computation 7	1,663,675	79,596	93,053	123,078	138,677	158,069	193,708	180,574	158,801	143,907	129,876	109,172	71,855	49,794	33,515
	47.66%	48.28%	47.52%	45.46%	43.78%	48.87%	49.11%	44.21%	50.05%	53.31%	52.34%	51.23%	49.07%	43.18%	31.57%
Red Flag Computation 8	988,342	46,990	56,751	71,901	85,495	101,864	119,391	110,830	91,387	83,596	77,118	65,505	37,770	23,238	16,506
	28.31%	28.50%	28.98%	26.56%	26.99%	31.49%	30.27%	27.14%	28.80%	30.97%	31.08%	30.74%	25.79%	20.15%	15.55%
Red Flag Computation 9	116,066	5,381	5,526	5,658	5,439	7,421	7,906	9,840	9,889	11,732	12,198	11,150	9,373	7,462	7,091
	3.95%	3.94%	3.39%	2.43%	2.06%	2.77%	2.41%	2.83%	3.76%	5.28%	5.82%	6.22%	7.42%	7.27%	7.32%
Red Flag Computation 10	93,284	2,980	750	2,879	4,243	4,763	7,364	7,529	4,510	3,377	6,160	5,001	4,120	1,160	38,448
	3.17%	2.18%	0.46%	1.24%	1.60%	1.78%	2.24%	2.16%	1.71%	1.52%	2.94%	2.79%	3.26%	1.13%	39.70%
Red Flag Computation 11	59,698	2,980	750	2,879	4,243	4,763	7,364	7,529	4,510	3,377	6,160	5,001	4,120	1,160	4,862
	2.03%	2.18%	0.46%	1.24%	1.60%	1.78%	2.24%	2.16%	1.71%	1.52%	2.94%	2.79%	3.26%	1.13%	5.02%
Red Flag Computation 12	146,153	2,174	5,759	10,771	10,188	11,643	17,973	25,151	13,071	10,648	5,030	2,715	4,026	9,330	17,674
	4.97%	1.59%	3.53%	4.62%	3.85%	4.35%	5.47%	7.22%	4.97%	4.79%	2.40%	1.51%	3.19%	9.09%	18.25%
Red Flag Computation 13	331,948	9,747	16,755	48,217	40,056	43,356	64,309	80,454	12,894	2,479	1,286	2,397	1,520	1,929	6,549
	11.28%	7.14%	10.28%	20.69%	15.14%	16.20%	19.56%	23.10%	4.90%	1.11%	0.61%	1.34%	1.20%	1.88%	6.76%
Red Flag Computation 14	118,554	11,248	14,002	15,691	14,559	12,177	18,209	15,615	9,925	7,128	0	0	0	0	0
	4.03%	8.24%	8.59%	6.73%	5.50%	4.55%	5.54%	4.48%	3.77%	3.21%	0.00%	0.00%	0.00%	0.00%	0.00%
Red Flag Computation 15	1,100,538	59,009	62,184	75,261	104,852	93,529	113,664	133,871	111,403	92,924	75,336	65,333	45,687	38,166	29,319
	37.41%	43.25%	38.15%	32.29%	39.64%	34.94%	34.58%	38.44%	42.35%	41.79%	35.96%	36.42%	36.16%	37.19%	30.27%
Red Flag Computation 16	119,974	0	0	27,356	31,016	21,674	9,360	15,138	8,706	4,162	1,268	700	242	302	50
	4.08%	0.00%	0.00%	11.74%	11.73%	8.10%	2.85%	4.35%	3.31%	1.87%	0.61%	0.39%	0.19%	0.29%	0.05%
Flagged for Any of the Red Flag Computation 1-16	3,490,999	164,866	195,810	270,716	316,769	323,454	394,476	408,437	317,303	269,950	248,159	213,120	146,444	115,323	106,172
	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%

Notes

Defendant	Date Range
CVS	January 1, 2006 to November 29, 2019
Giant Eagle/HBC	January 1, 2006 to December 3, 2019
Rite Aid	January 1, 2006 to November 19, 2019
Walgreens	January 3, 2006 to January 3, 2020
Wal-Mart	January 2, 2006 to April 25, 2018

CONFIDENTIAL – SUBJECT TO PROTECTIVE ORDER

Giant Eagle/HBC Combination Red Flagged Prescriptions Summary
Lake County, OH
Red Flag Computation 1-16, in MME

	Total	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Total MME of Combination Red Flagged Prescriptions	35,369,391	2,115,132	1,816,061	2,294,958	2,868,229	3,142,985	3,789,461	3,943,981	3,157,521	2,716,552	2,751,160	2,381,121	1,828,247	1,374,092	1,189,891
Total MME of Combination Red Flagged Opioid Prescriptions	35,369,391	2,115,132	1,816,061	2,294,958	2,868,229	3,142,985	3,789,461	3,943,981	3,157,521	2,716,552	2,751,160	2,381,121	1,828,247	1,374,092	1,189,891
Red Flag Computation 1	1,478,026	42,085	71,110	42,835	51,135	68,199	200,020	261,960	177,755	156,233	105,878	76,963	82,230	82,865	58,760
	4.18%	1.99%	3.92%	1.87%	1.78%	2.17%	5.28%	6.64%	5.63%	5.75%	3.85%	3.23%	4.50%	6.03%	4.94%
Red Flag Computation 2	8,089,368	815,004	491,247	567,183	537,242	473,022	781,278	871,968	677,122	618,541	580,948	583,181	494,904	395,618	202,112
	22.87%	38.53%	27.05%	24.71%	18.73%	15.05%	20.62%	22.11%	21.44%	22.77%	21.12%	24.49%	27.07%	28.79%	16.99%
Red Flag Computation 3	5,469,671	342,543	355,087	351,739	517,247	453,909	548,746	622,032	557,306	432,967	428,123	291,902	236,889	163,938	167,245
	15.46%	16.19%	19.55%	15.33%	18.03%	14.44%	14.48%	15.77%	17.65%	15.94%	15.56%	12.26%	12.96%	11.93%	14.06%
Red Flag Computation 4	3,094,032	105,480	169,875	150,810	305,724	349,291	361,901	390,704	347,685	180,714	210,330	168,168	149,834	124,289	79,230
	8.75%	4.99%	9.35%	6.57%	10.66%	11.11%	9.55%	9.91%	11.01%	6.65%	7.65%	7.06%	8.20%	9.05%	6.66%
Red Flag Computation 5	4,392,374	389,655	209,979	227,615	416,303	430,978	500,684	470,120	353,146	393,696	366,068	226,952	147,838	154,717	104,625
	12.42%	18.42%	11.56%	9.92%	14.51%	13.71%	13.21%	11.92%	11.18%	14.49%	13.31%	9.53%	8.09%	11.26%	8.79%
Red Flag Computation 6	740,191	57,555	36,989	30,625	47,265	111,325	121,689	74,455	58,590	107,955	62,073	19,830	2,145	2,880	6,815
	2.09%	2.72%	2.04%	1.33%	1.65%	3.54%	3.21%	1.89%	1.86%	3.97%	2.26%	0.83%	0.12%	0.21%	0.57%
Red Flag Computation 7	15,232,860	884,449	795,151	950,266	1,178,800	1,392,699	1,628,207	1,630,295	1,388,298	1,337,427	1,294,992	1,098,416	792,310	555,543	306,008
	43.07%	41.82%	43.78%	41.41%	41.10%	44.31%	42.97%	41.34%	43.97%	49.23%	47.07%	46.13%	43.34%	40.43%	25.72%
Red Flag Computation 8	6,885,660	385,623	374,802	460,793	526,488	742,866	782,277	707,578	661,576	648,414	593,831	494,609	256,242	144,755	105,808
	19.47%	18.23%	20.64%	20.08%	18.36%	23.64%	20.64%	17.94%	20.95%	23.87%	21.58%	20.77%	14.02%	10.53%	8.89%
Red Flag Computation 9	1,785,386	141,183	84,223	65,203	59,623	109,668	83,585	159,308	132,520	151,669	199,356	198,020	164,450	131,971	104,610
	5.05%	6.67%	4.64%	2.84%	2.08%	3.49%	2.21%	4.04%	4.20%	5.58%	7.25%	8.32%	8.99%	9.60%	8.79%
Red Flag Computation 10	4,551,754	495,852	91,200	262,350	381,305	482,459	565,182	348,514	233,090	187,402	321,840	251,039	192,990	45,900	692,631
	12.87%	23.44%	5.02%	11.43%	13.29%	15.35%	14.91%	8.84%	7.38%	6.90%	11.70%	10.54%	10.56%	3.34%	58.21%
Red Flag Computation 11	4,030,431	495,852	91,200	262,350	381,305	482,459	565,182	348,514	233,090	187,402	321,840	251,039	192,990	45,900	171,308
	11.40%	23.44%	5.02%	11.43%	13.29%	15.35%	14.91%	8.84%	7.38%	6.90%	11.70%	10.54%	10.56%	3.34%	14.40%
Red Flag Computation 12	1,133,353	18,095	38,150	73,398	74,665	91,303	130,120	177,893	91,985	75,773	36,855	18,850	36,318	86,105	183,845
	3.20%	0.86%	2.10%	3.20%	2.60%	2.90%	3.43%	4.51%	2.91%	2.79%	1.34%	0.79%	1.99%	6.27%	15.45%
Red Flag Computation 13	2,387,732	75,863	119,763	327,287	284,765	309,353	458,930	572,290	95,443	16,898	10,138	13,668	15,465	18,245	69,628
	6.75%	3.59%	6.59%	14.26%	9.93%	9.84%	12.11%	14.51%	3.02%	0.62%	0.37%	0.57%	0.85%	1.33%	5.85%
Red Flag Computation 14	797,786	74,740	98,525	97,665	96,695	85,403	129,238	103,250	65,178	47,094	0	0	0	0	0
	2.26%	3.53%	5.43%	4.26%	3.37%	2.72%	3.41%	2.62%	2.06%	1.73%	0.00%	0.00%	0.00%	0.00%	0.00%
Red Flag Computation 15	18,292,246	1,346,087	910,160	950,283	1,537,962	1,597,016	1,891,945	1,975,462	1,741,706	1,509,586	1,374,328	1,269,385	987,091	741,922	459,315
	51.72%	63.64%	50.12%	41.41%	53.62%	50.81%	49.93%	50.09%	55.16%	55.57%	49.95%	53.31%	53.99%	53.99%	38.60%
Red Flag Computation 16	997,259	0	0	268,941	261,283	161,410	68,661	110,641	71,945	32,610	11,459	5,853	1,806	2,350	300
	2.82%	0.00%	0.00%	11.72%	9.11%	5.14%	1.81%	2.81%	2.28%	1.20%	0.42%	0.25%	0.10%	0.17%	0.03%
Flagged for Any of the Red Flag Computation 1-16	35,369,391	2,115,132	1,816,061	2,294,958	2,868,229	3,142,985	3,789,461	3,943,981	3,157,521	2,716,552	2,751,160	2,381,121	1,828,247	1,374,092	1,189,891
	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%

Notes

Defendant	Date Range
CVS	January 1, 2006 to November 29, 2019
Giant Eagle/HBC	January 1, 2006 to December 3, 2019
Rite Aid	January 1, 2006 to November 19, 2019
Walgreens	January 3, 2006 to January 3, 2020
Wal-Mart	January 2, 2006 to April 25, 2018

CONFIDENTIAL – SUBJECT TO PROTECTIVE ORDER

Giant Eagle/HBC Combination Red Flagged Prescriptions Summary
Trumbull County, OH
Red Flag Computation 1-16, in # of Prescriptions

	Total	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Total # of Combination Red Flagged Prescriptions	107,785	8,320	9,452	10,567	10,072	10,651	11,267	11,271	8,388	7,114	5,712	4,783	3,758	3,391	3,039
Total # of Combination Red Flagged Opioid Prescriptions	80,199	6,339	7,164	8,103	7,615	8,099	8,467	8,453	6,062	5,099	4,042	3,426	2,649	2,443	2,238
Red Flag Computation 1	1,098	103	99	97	119	107	137	110	89	77	47	33	26	16	38
	1.37%	1.62%	1.38%	1.20%	1.56%	1.32%	1.62%	1.30%	1.47%	1.51%	1.16%	0.96%	0.98%	0.65%	1.70%
Red Flag Computation 2	16,103	1,349	1,378	1,378	1,318	1,401	1,577	1,386	1,320	1,233	986	864	687	634	592
	20.08%	21.28%	19.24%	17.01%	17.31%	17.30%	18.63%	16.40%	21.77%	24.18%	24.39%	25.22%	25.93%	25.95%	26.45%
Red Flag Computation 3	14,143	1,004	1,202	1,526	1,315	1,383	1,607	1,538	1,102	881	709	647	484	419	326
	17.63%	15.84%	16.78%	18.83%	17.27%	17.08%	18.98%	18.19%	18.18%	17.28%	17.54%	18.88%	18.27%	17.15%	14.57%
Red Flag Computation 4	3,511	231	376	345	310	297	335	318	284	333	227	165	90	105	95
	4.38%	3.64%	5.25%	4.26%	4.07%	3.67%	3.96%	3.76%	4.68%	6.53%	5.62%	4.82%	3.40%	4.30%	4.24%
Red Flag Computation 5	14,284	989	1,251	1,248	1,317	1,364	1,728	1,645	1,346	966	703	660	452	355	260
	13.25%	11.89%	13.24%	11.81%	13.08%	12.81%	15.34%	14.59%	16.05%	13.58%	12.31%	13.80%	12.03%	10.47%	8.56%
Red Flag Computation 6	4,554	267	506	505	495	497	599	467	473	234	197	173	89	39	13
	4.23%	3.21%	5.35%	4.78%	4.91%	4.67%	5.32%	4.14%	5.64%	3.29%	3.45%	3.62%	2.37%	1.15%	0.43%
Red Flag Computation 7	61,802	4,620	5,195	5,535	5,590	5,812	6,216	6,233	5,023	4,422	3,713	3,023	2,444	2,173	1,803
	57.34%	55.53%	54.96%	52.38%	55.50%	54.57%	55.17%	55.30%	59.88%	62.16%	65.00%	63.20%	65.03%	64.08%	59.33%
Red Flag Computation 8	44,806	3,070	3,688	3,998	3,964	4,124	4,408	4,464	3,738	3,309	2,863	2,282	1,880	1,640	1,378
	41.57%	36.90%	39.02%	37.83%	39.36%	38.72%	39.12%	39.61%	44.56%	46.51%	50.12%	47.71%	50.03%	48.36%	45.34%
Red Flag Computation 9	2,953	109	218	220	230	240	359	254	241	238	268	206	119	164	87
	3.68%	1.72%	3.04%	2.72%	3.02%	2.96%	4.24%	3.00%	3.98%	4.67%	6.63%	6.01%	4.49%	6.71%	3.89%
Red Flag Computation 10	3,148	429	339	183	171	202	222	172	160	158	155	84	55	37	781
	3.93%	6.77%	4.73%	2.26%	2.25%	2.49%	2.62%	2.03%	2.64%	3.10%	3.83%	2.45%	2.08%	1.51%	34.90%
Red Flag Computation 11	2,499	429	339	183	171	202	222	172	160	158	155	84	55	37	132
	3.12%	6.77%	4.73%	2.26%	2.25%	2.49%	2.62%	2.03%	2.64%	3.10%	3.83%	2.45%	2.08%	1.51%	5.90%
Red Flag Computation 12	5,139	404	523	546	571	547	521	695	424	354	244	77	78	73	82
	6.41%	6.37%	7.30%	6.74%	7.50%	6.75%	6.15%	8.22%	6.99%	6.94%	6.04%	2.25%	2.94%	2.99%	3.66%
Red Flag Computation 13	14,223	1,391	1,673	1,929	1,923	2,071	2,193	2,329	354	128	86	33	30	54	29
	17.73%	21.94%	23.35%	23.81%	25.25%	25.57%	25.90%	27.55%	5.84%	2.51%	2.13%	0.96%	1.13%	2.21%	1.30%
Red Flag Computation 14	2,204	132	261	346	292	328	262	232	206	145	0	0	0	0	0
	2.75%	2.08%	3.64%	4.27%	3.83%	4.05%	3.09%	2.74%	3.40%	2.84%	0.00%	0.00%	0.00%	0.00%	0.00%
Red Flag Computation 15	25,166	1,754	2,409	2,811	2,367	2,601	2,757	2,617	2,047	1,482	1,058	962	868	789	644
	31.38%	27.67%	33.63%	34.69%	31.08%	32.12%	32.56%	30.96%	33.77%	29.06%	26.18%	28.08%	32.77%	32.30%	28.78%
Red Flag Computation 16	2,586	0	52	818	326	293	218	423	211	155	45	38	3	4	0
	3.22%	0.00%	0.73%	10.10%	4.28%	3.62%	2.57%	5.00%	3.48%	3.04%	1.11%	1.11%	0.11%	0.16%	0.00%
Flagged for Any of the Red Flag Computation 1-16	107,785	8,320	9,452	10,567	10,072	10,651	11,267	11,271	8,388	7,114	5,712	4,783	3,758	3,391	3,039
	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%

Notes

Defendant	Date Range
CVS	January 1, 2006 to November 29, 2019
Giant Eagle/HBC	January 1, 2006 to December 3, 2019
Rite Aid	January 1, 2006 to November 19, 2019
Walgreens	January 3, 2006 to January 3, 2020
Wal-Mart	January 2, 2006 to April 25, 2018

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Giant Eagle/HBC Combination Red Flagged Prescriptions Summary
Trumbull County, OH
Red Flag Computation 1-16, in Dosage Units

	Total	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Total Dosage Units of Combination Red Flagged Prescriptions	7,489,503	545,740	639,183	726,788	711,000	730,513	796,671	805,395	604,949	515,617	390,886	329,794	263,794	228,128	201,045
Total Dosage Units of Combination Red Flagged Opioid Prescriptions	5,762,548	421,061	494,516	568,468	546,073	570,491	623,831	627,544	458,764	384,718	291,795	251,188	197,816	171,931	154,352
Red Flag Computation 1	66,152	7,250	6,150	7,132	7,062	5,710	8,166	7,077	3,629	4,163	2,452	1,619	1,072	1,190	3,480
	1.15%	1.72%	1.24%	1.25%	1.29%	1.00%	1.31%	1.13%	0.79%	1.08%	0.84%	0.64%	0.54%	0.69%	2.25%
Red Flag Computation 2	915,331	76,842	76,637	79,534	76,712	79,978	94,396	83,243	73,829	61,492	45,315	48,784	44,934	39,274	34,361
	15.88%	18.25%	15.50%	13.99%	14.05%	14.02%	15.13%	13.26%	16.09%	15.98%	15.53%	19.42%	22.72%	22.84%	22.26%
Red Flag Computation 3	957,927	66,986	81,780	103,074	95,750	93,562	114,685	107,758	75,490	58,502	42,016	44,232	30,237	26,062	17,793
	16.62%	15.91%	16.54%	18.13%	17.53%	16.40%	18.38%	17.17%	16.46%	15.21%	14.40%	17.61%	15.29%	15.16%	11.53%
Red Flag Computation 4	274,220	16,043	25,413	26,049	23,991	20,805	26,152	24,330	23,197	31,119	18,258	14,780	7,558	8,918	7,607
	4.76%	3.81%	5.14%	4.58%	4.39%	3.65%	4.19%	3.88%	5.06%	8.09%	6.26%	5.88%	3.82%	5.19%	4.93%
Red Flag Computation 5	1,071,109	67,889	90,764	96,993	106,345	96,465	129,060	125,498	107,233	77,684	53,550	48,716	32,100	23,312	15,500
	14.30%	12.44%	14.20%	13.35%	14.96%	13.21%	16.20%	15.58%	17.73%	15.07%	13.70%	14.77%	12.17%	10.22%	7.71%
Red Flag Computation 6	352,307	19,906	36,117	39,557	42,098	38,912	45,031	35,570	38,529	20,265	15,337	12,332	5,568	2,581	504
	4.70%	3.65%	5.65%	5.44%	5.92%	5.33%	5.65%	4.42%	6.37%	3.93%	3.92%	3.74%	2.11%	1.13%	0.25%
Red Flag Computation 7	4,472,451	314,493	366,105	403,190	421,195	416,768	452,665	461,251	370,361	330,937	267,364	217,030	174,429	153,073	123,590
	59.72%	57.63%	57.28%	55.48%	59.24%	57.05%	56.82%	57.27%	61.22%	64.18%	68.40%	65.81%	66.12%	67.10%	61.47%
Red Flag Computation 8	3,286,167	218,149	264,100	291,769	304,165	299,618	316,866	331,731	275,814	253,900	208,246	163,053	135,564	121,692	101,500
	43.88%	39.97%	41.32%	40.14%	42.78%	41.01%	39.77%	41.19%	45.59%	49.24%	53.28%	49.44%	51.39%	53.34%	50.49%
Red Flag Computation 9	217,081	8,041	13,094	17,027	19,813	18,629	35,091	20,583	19,173	16,258	18,441	13,460	5,821	7,427	4,223
	3.77%	1.91%	2.65%	3.00%	3.63%	3.27%	5.63%	3.28%	4.18%	4.23%	6.32%	5.36%	2.94%	4.32%	2.74%
Red Flag Computation 10	245,142	40,099	29,540	14,414	13,483	10,727	13,328	8,822	14,696	12,167	11,173	6,305	4,460	2,368	63,560
	4.25%	9.52%	5.97%	2.54%	2.47%	1.88%	2.14%	1.41%	3.20%	3.16%	3.83%	2.51%	2.25%	1.38%	41.18%
Red Flag Computation 11	188,530	40,099	29,540	14,414	13,483	10,727	13,328	8,822	14,696	12,167	11,173	6,305	4,460	2,368	6,948
	3.27%	9.52%	5.97%	2.54%	2.47%	1.88%	2.14%	1.41%	3.20%	3.16%	3.83%	2.51%	2.25%	1.38%	4.50%
Red Flag Computation 12	405,449	22,995	38,169	41,876	41,058	42,218	42,562	53,144	38,053	33,155	25,186	6,556	6,455	6,702	7,320
	7.04%	5.46%	7.72%	7.37%	7.52%	7.40%	6.82%	8.47%	8.29%	8.62%	8.63%	2.61%	3.26%	3.90%	4.74%
Red Flag Computation 13	964,814	78,392	111,430	130,711	129,818	135,565	157,246	162,409	27,499	10,272	9,164	2,560	2,690	4,413	2,645
	16.74%	18.62%	22.53%	22.99%	23.77%	23.76%	25.21%	25.88%	5.99%	2.67%	3.14%	1.02%	1.36%	2.57%	1.71%
Red Flag Computation 14	208,413	10,718	25,078	32,850	27,217	29,350	25,290	23,696	19,670	14,544	0	0	0	0	0
	3.62%	2.55%	5.07%	5.78%	4.98%	5.14%	4.05%	3.78%	4.29%	3.78%	0.00%	0.00%	0.00%	0.00%	0.00%
Red Flag Computation 15	2,062,245	138,728	189,532	230,080	200,119	212,435	227,046	226,184	178,076	134,334	81,767	78,712	67,830	53,910	43,492
	35.79%	32.95%	38.33%	40.47%	36.65%	37.24%	36.40%	36.04%	38.82%	34.92%	28.02%	31.34%	34.29%	31.36%	28.18%
Red Flag Computation 16	111,433	0	2,843	43,839	15,584	14,042	7,555	13,108	6,433	5,035	1,391	1,147	76	380	0
	1.93%	0.00%	0.57%	7.71%	2.85%	2.46%	1.21%	2.09%	1.40%	1.31%	0.48%	0.46%	0.04%	0.22%	0.00%
Flagged for Any of the Red Flag Computation 1-16	7,489,503	545,740	639,183	726,788	711,000	730,513	796,671	805,395	604,949	515,617	390,886	329,794	263,794	228,128	201,045
	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%

Notes

Defendant	Date Range
CVS	January 1, 2006 to November 29, 2019
Giant Eagle/HBC	January 1, 2006 to December 3, 2019
Rite Aid	January 1, 2006 to November 19, 2019
Walgreens	January 3, 2006 to January 3, 2020
Wal-Mart	January 2, 2006 to April 25, 2018

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Giant Eagle/HBC Combination Red Flagged Prescriptions Summary
Trumbull County, OH
Red Flag Computation 1-16, in MME

	Total	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Total MME of Combination Red Flagged Prescriptions	81,602,987	6,561,600	6,847,728	8,084,880	7,831,225	7,718,728	8,449,231	8,195,339	6,156,093	5,548,934	4,857,677	3,767,370	2,898,833	2,537,809	2,147,541
Total MME of Combination Red Flagged Opioid Prescriptions	81,602,987	6,561,600	6,847,728	8,084,880	7,831,225	7,718,728	8,449,231	8,195,339	6,156,093	5,548,934	4,857,677	3,767,370	2,898,833	2,537,809	2,147,541
Red Flag Computation 1	922,888	87,040	91,398	119,370	124,958	94,954	109,398	68,420	43,415	59,870	28,068	21,444	12,068	11,095	51,393
	1.13%	1.33%	1.33%	1.48%	1.60%	1.23%	1.29%	0.83%	0.71%	1.08%	0.58%	0.57%	0.42%	0.44%	2.39%
Red Flag Computation 2	13,102,017	958,988	1,109,657	1,289,242	1,196,416	1,088,742	1,331,111	1,232,376	964,784	786,978	589,474	618,326	692,450	695,215	548,260
	16.06%	14.62%	16.20%	15.95%	15.28%	14.11%	15.75%	15.04%	15.67%	14.18%	12.13%	16.41%	23.89%	27.39%	25.53%
Red Flag Computation 3	15,542,599	1,185,152	1,342,173	1,767,042	1,652,527	1,438,269	1,804,837	1,753,225	1,136,234	884,307	665,839	654,097	568,979	436,790	253,131
	19.05%	18.06%	19.60%	21.86%	21.10%	18.63%	21.36%	21.39%	18.46%	15.94%	13.71%	17.36%	19.63%	17.21%	11.79%
Red Flag Computation 4	4,790,598	325,984	566,006	510,838	416,395	346,180	476,366	460,788	390,409	472,827	268,833	191,591	110,788	133,743	119,853
	5.87%	4.97%	8.27%	6.32%	5.32%	4.48%	5.64%	5.62%	6.34%	8.52%	5.53%	5.09%	3.82%	5.27%	5.58%
Red Flag Computation 5	9,016,246	520,755	581,958	750,605	1,160,743	889,316	1,151,312	979,019	771,036	606,279	397,932	349,379	267,879	360,593	229,443
	11.05%	7.94%	8.50%	9.28%	14.82%	11.52%	13.63%	11.95%	12.52%	10.93%	8.19%	9.27%	9.24%	14.21%	10.68%
Red Flag Computation 6	2,330,057	118,993	149,408	152,828	309,968	320,462	429,975	243,848	246,910	153,630	66,263	80,965	40,370	14,305	2,135
	2.86%	1.81%	2.18%	1.89%	3.96%	4.15%	5.09%	2.98%	4.01%	2.77%	1.36%	2.15%	1.39%	0.56%	0.10%
Red Flag Computation 7	43,960,959	3,192,702	3,355,196	3,673,093	4,152,726	4,115,366	4,604,693	4,277,950	3,593,057	3,382,464	3,180,572	2,216,859	1,639,551	1,460,748	1,115,982
	53.87%	48.66%	49.00%	45.43%	53.03%	53.32%	54.50%	52.20%	58.37%	60.96%	65.48%	58.84%	56.56%	57.56%	51.97%
Red Flag Computation 8	26,272,762	1,865,388	2,064,009	2,031,320	2,274,008	2,499,010	2,840,256	2,588,819	2,147,889	1,964,351	1,923,782	1,380,172	1,041,778	873,783	778,200
	32.20%	28.43%	30.14%	25.12%	29.04%	32.38%	33.62%	31.59%	34.89%	35.40%	39.60%	36.63%	35.94%	34.43%	36.24%
Red Flag Computation 9	3,088,702	108,169	204,099	179,687	219,451	227,398	564,403	234,785	278,793	237,965	290,033	227,436	119,211	137,438	59,838
	3.79%	1.65%	2.98%	2.22%	2.80%	2.95%	6.68%	2.86%	4.53%	4.29%	5.97%	6.04%	4.11%	5.42%	2.79%
Red Flag Computation 10	17,397,067	2,053,870	1,480,678	1,614,980	1,660,845	1,391,355	1,556,120	1,309,030	1,226,700	1,234,745	1,318,554	639,760	365,190	236,540	1,308,700
	21.32%	31.30%	21.62%	19.98%	21.21%	18.03%	18.42%	15.97%	19.93%	22.25%	27.14%	16.98%	12.60%	9.32%	60.94%
Red Flag Computation 11	16,467,507	2,053,870	1,480,678	1,614,980	1,660,845	1,391,355	1,556,120	1,309,030	1,226,700	1,234,745	1,318,554	639,760	365,190	236,540	379,140
	20.18%	31.30%	21.62%	19.98%	21.21%	18.03%	18.42%	15.97%	19.93%	22.25%	27.14%	16.98%	12.60%	9.32%	17.65%
Red Flag Computation 12	3,775,210	178,500	325,695	380,890	358,555	396,293	399,828	477,095	350,665	327,200	276,688	62,345	67,593	80,673	93,193
	4.63%	2.72%	4.76%	4.71%	4.58%	5.13%	4.73%	5.82%	5.70%	5.90%	5.70%	1.65%	2.33%	3.18%	4.34%
Red Flag Computation 13	8,390,201	611,593	923,353	1,116,138	1,091,235	1,217,758	1,429,820	1,404,958	247,765	101,890	102,045	25,870	27,369	52,505	37,905
	10.28%	9.32%	13.48%	13.81%	13.93%	15.78%	16.92%	17.14%	4.02%	1.84%	2.10%	0.69%	0.94%	2.07%	1.77%
Red Flag Computation 14	1,669,880	83,415	193,575	266,585	217,898	243,250	202,878	189,460	160,865	111,955	0	0	0	0	0
	2.05%	1.27%	2.83%	3.30%	2.78%	3.15%	2.40%	2.31%	2.61%	2.02%	0.00%	0.00%	0.00%	0.00%	0.00%
Red Flag Computation 15	42,652,061	3,267,718	3,657,727	4,718,009	4,390,310	4,031,938	4,217,526	4,158,809	3,203,077	2,904,130	2,561,380	1,939,165	1,464,087	1,308,879	829,307
	52.27%	49.80%	53.42%	58.36%	56.06%	52.24%	49.92%	50.75%	52.03%	52.34%	52.73%	51.47%	50.51%	51.58%	38.62%
Red Flag Computation 16	992,537	0	21,490	385,193	154,675	123,644	69,503	121,505	44,823	49,283	10,288	7,295	1,020	3,820	0
	1.22%	0.00%	0.31%	4.76%	1.98%	1.60%	0.82%	1.48%	0.73%	0.89%	0.21%	0.19%	0.04%	0.15%	0.00%
Flagged for Any of the Red Flag Computation 1-16	81,602,987	6,561,600	6,847,728	8,084,880	7,831,225	7,718,728	8,449,231	8,195,339	6,156,093	5,548,934	4,857,677	3,767,370	2,898,833	2,537,809	2,147,541
	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%

Notes

Defendant	Date Range
CVS	January 1, 2006 to November 29, 2019
Giant Eagle/HBC	January 1, 2006 to December 3, 2019
Rite Aid	January 1, 2006 to November 19, 2019
Walgreens	January 3, 2006 to January 3, 2020
Wal-Mart	January 2, 2006 to April 25, 2018

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Rite Aid Combination Red Flagged Prescriptions Summary
Lake County and Trumbull County, OH
Red Flag Computation 1-16, in # of Prescriptions

	Total	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Total # of Combination Red Flagged Prescriptions	268,128	16,433	18,132	21,367	23,112	22,688	24,803	22,964	21,573	21,318	21,162	18,383	14,808	11,914	9,471
Total # of Combination Red Flagged Opioid Prescriptions	209,395	12,690	13,842	16,679	18,090	17,749	19,520	18,106	16,834	16,880	16,776	14,391	11,437	9,066	7,335
Red Flag Computation 1	14,320	756	720	1,019	1,439	1,543	1,707	1,342	1,201	1,253	1,153	823	562	495	307
	6.84%	5.96%	5.20%	6.11%	7.95%	8.69%	8.74%	7.41%	7.13%	7.42%	6.87%	5.72%	4.91%	5.46%	4.19%
Red Flag Computation 2	57,968	3,478	4,150	5,549	5,376	5,228	5,330	5,286	4,555	4,416	4,231	3,506	2,987	2,230	1,646
	27.68%	27.41%	29.98%	33.27%	29.72%	29.46%	27.31%	29.19%	27.06%	26.16%	25.22%	24.36%	26.12%	24.60%	22.44%
Red Flag Computation 3	31,716	2,132	2,437	2,850	3,113	3,006	3,252	3,072	2,587	2,494	2,283	1,823	1,126	927	614
	15.15%	16.80%	17.61%	17.09%	17.21%	16.94%	16.66%	16.97%	15.37%	14.77%	13.61%	12.67%	9.85%	10.23%	8.37%
Red Flag Computation 4	17,500	963	829	1,129	1,431	1,334	1,446	1,808	1,635	1,775	2,143	1,274	731	610	392
	8.36%	7.59%	5.99%	6.77%	7.91%	7.52%	7.41%	9.99%	9.71%	10.52%	12.77%	8.85%	6.39%	6.73%	5.34%
Red Flag Computation 5	35,314	1,973	2,695	3,001	3,399	3,551	3,970	3,332	2,855	2,591	2,056	2,024	1,635	1,234	998
	13.17%	12.01%	14.86%	14.05%	14.71%	15.65%	16.01%	14.51%	13.23%	12.15%	9.72%	11.01%	11.04%	10.36%	10.54%
Red Flag Computation 6	9,731	533	857	997	945	853	949	962	801	602	537	529	439	366	361
	3.63%	3.24%	4.73%	4.67%	4.09%	3.76%	3.83%	4.19%	3.71%	2.82%	2.54%	2.88%	2.96%	3.07%	3.81%
Red Flag Computation 7	143,710	9,170	10,086	11,531	12,615	12,308	13,090	12,012	11,501	11,319	10,898	9,696	7,925	6,641	4,918
	53.60%	55.80%	55.63%	53.97%	54.58%	54.25%	52.78%	52.31%	53.31%	53.10%	51.50%	52.74%	53.52%	55.74%	51.93%
Red Flag Computation 8	95,633	6,211	6,866	7,425	8,025	7,718	8,066	7,704	7,773	7,408	7,367	6,711	5,740	4,920	3,699
	35.67%	37.80%	37.87%	34.75%	34.72%	34.02%	32.52%	33.55%	36.03%	34.75%	34.81%	36.51%	38.76%	41.30%	39.06%
Red Flag Computation 9	13,250	397	435	931	859	762	1,419	1,147	1,139	1,181	1,482	1,472	941	564	521
	6.33%	3.13%	3.14%	5.58%	4.75%	4.29%	7.27%	6.33%	6.77%	7.00%	8.83%	10.23%	8.23%	6.22%	7.10%
Red Flag Computation 10	25,615	1,305	1,430	1,931	2,528	2,451	2,678	2,211	1,870	1,523	1,832	1,439	810	341	3,266
	12.23%	10.28%	10.33%	11.58%	13.97%	13.81%	13.72%	12.21%	11.11%	9.02%	10.92%	10.00%	7.08%	3.76%	44.53%
Red Flag Computation 11	23,108	1,305	1,430	1,931	2,528	2,451	2,678	2,211	1,870	1,523	1,832	1,439	810	341	759
	11.04%	10.28%	10.33%	11.58%	13.97%	13.81%	13.72%	12.21%	11.11%	9.02%	10.92%	10.00%	7.08%	3.76%	10.35%
Red Flag Computation 12	24,695	573	705	952	1,560	1,827	2,089	1,862	1,799	2,198	2,669	2,530	2,242	1,983	1,706
	11.79%	4.52%	5.09%	5.71%	8.62%	10.29%	10.70%	10.28%	10.69%	13.02%	15.91%	17.58%	19.60%	21.87%	23.26%
Red Flag Computation 13	8,531	230	291	375	531	599	673	599	705	794	955	851	673	653	602
	4.07%	1.81%	2.10%	2.25%	2.94%	3.37%	3.45%	3.31%	4.19%	4.70%	5.69%	5.91%	5.88%	7.20%	8.21%
Red Flag Computation 14	4,076	253	271	368	719	679	833	542	273	138	0	0	0	0	0
	1.95%	1.99%	1.96%	2.21%	3.97%	3.83%	4.27%	2.99%	1.62%	0.82%	0.00%	0.00%	0.00%	0.00%	0.00%
Red Flag Computation 15	103,042	6,102	6,870	9,153	10,145	10,036	10,915	9,349	8,031	7,738	7,773	6,563	4,630	3,511	2,226
	49.21%	48.09%	49.63%	54.88%	56.08%	56.54%	55.92%	51.63%	47.71%	45.84%	46.33%	45.60%	40.48%	38.73%	30.35%
Red Flag Computation 16	5,241	8	15	9	511	260	1,503	1,007	698	449	273	161	108	123	116
	2.50%	0.06%	0.11%	0.05%	2.82%	1.46%	7.70%	5.56%	4.15%	2.66%	1.63%	1.12%	0.94%	1.36%	1.58%
Flagged for Any of the Red Flag Computation 1-16	268,128	16,433	18,132	21,367	23,112	22,688	24,803	22,964	21,573	21,318	21,162	18,383	14,808	11,914	9,471
	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%

Notes

Defendant	Date Range
CVS	January 1, 2006 to November 29, 2019
Giant Eagle/HBC	January 1, 2006 to December 3, 2019
Rite Aid	January 1, 2006 to November 19, 2019
Walgreens	January 3, 2006 to January 3, 2020
Wal-Mart	January 2, 2006 to April 25, 2018

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Rite Aid Combination Red Flagged Prescriptions Summary
Lake County and Trumbull County, OH
Red Flag Computation 1-16, in Dosage Units

	Total	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Total Dosage Units of Combination Red Flagged Prescriptions	21,162,702	1,126,148	1,338,279	1,665,865	1,822,395	1,782,476	1,995,248	1,852,706	1,767,385	1,735,987	1,719,706	1,475,046	1,187,428	947,772	746,261
Total Dosage Units of Combination Red Flagged Opioid Prescriptions	17,259,010	882,649	1,053,014	1,362,374	1,489,870	1,452,937	1,653,131	1,532,376	1,447,133	1,433,726	1,425,637	1,209,342	966,032	747,636	603,153
Red Flag Computation 1	1,264,343	54,541	58,561	80,208	118,429	133,192	165,366	127,495	111,833	111,475	105,731	77,321	50,352	42,933	26,906
	7.33%	6.18%	5.56%	5.89%	7.95%	9.17%	10.00%	8.32%	7.73%	7.78%	7.42%	6.39%	5.21%	5.74%	4.46%
Red Flag Computation 2	4,900,071	237,635	314,927	465,637	476,185	467,986	481,098	468,120	396,203	378,920	362,556	307,133	238,697	175,085	129,889
	28.39%	26.92%	29.91%	34.18%	31.96%	32.21%	29.10%	30.55%	27.38%	26.43%	25.43%	25.40%	24.71%	23.42%	21.54%
Red Flag Computation 3	2,230,858	135,831	172,325	214,356	219,472	213,252	237,160	223,926	181,764	169,899	156,635	129,514	79,209	58,215	39,300
	12.93%	15.39%	16.36%	15.73%	14.73%	14.68%	14.35%	14.61%	12.56%	11.85%	10.99%	10.71%	8.20%	7.79%	6.52%
Red Flag Computation 4	1,448,069	63,991	59,945	96,342	115,382	101,802	113,344	149,947	142,024	151,313	184,251	110,951	67,472	55,008	36,297
	8.39%	7.25%	5.69%	7.07%	7.74%	7.01%	6.86%	9.79%	9.81%	10.55%	12.92%	9.17%	6.98%	7.36%	6.02%
Red Flag Computation 5	2,845,900	156,478	215,528	245,943	273,718	283,458	319,513	273,984	231,505	211,822	164,422	165,246	123,766	100,939	79,578
	13.45%	13.89%	16.10%	14.76%	15.02%	15.90%	16.01%	14.79%	13.10%	12.20%	9.56%	11.20%	10.42%	10.65%	10.66%
Red Flag Computation 6	816,467	46,507	77,958	86,109	76,645	70,870	76,858	80,582	65,971	51,659	43,135	45,089	34,917	30,627	29,540
	3.86%	4.13%	5.83%	5.17%	4.21%	3.98%	3.85%	4.35%	3.73%	2.98%	2.51%	3.06%	2.94%	3.23%	3.96%
Red Flag Computation 7	11,322,571	652,303	753,018	876,449	975,328	928,654	1,009,606	949,665	942,439	931,859	904,144	789,634	649,761	555,011	404,700
	53.50%	57.92%	56.27%	52.61%	53.52%	52.10%	50.60%	51.26%	53.32%	53.68%	52.58%	53.53%	54.72%	58.56%	54.23%
Red Flag Computation 8	7,670,637	454,692	521,497	555,454	627,749	590,449	624,790	622,219	652,926	626,189	625,565	558,815	474,958	423,150	312,184
	36.25%	40.38%	38.97%	33.34%	34.45%	33.13%	31.31%	33.58%	36.94%	36.07%	36.38%	37.88%	40.00%	44.65%	41.83%
Red Flag Computation 9	1,342,680	26,032	45,934	118,109	99,788	77,783	149,866	111,559	119,582	118,227	138,311	135,386	91,285	56,828	53,990
	7.78%	2.95%	4.36%	8.67%	6.70%	5.35%	9.07%	7.28%	8.26%	8.25%	9.70%	11.20%	9.45%	7.60%	8.95%
Red Flag Computation 10	2,688,082	84,607	119,544	200,042	268,028	246,742	287,045	244,869	219,991	196,199	219,887	155,011	94,476	45,551	306,090
	15.57%	9.59%	11.35%	14.68%	17.99%	16.98%	17.36%	15.98%	15.20%	13.68%	15.42%	12.82%	9.78%	6.09%	50.75%
Red Flag Computation 11	2,470,696	84,607	119,544	200,042	268,028	246,742	287,045	244,869	219,991	196,199	219,887	155,011	94,476	45,551	88,704
	14.32%	9.59%	11.35%	14.68%	17.99%	16.98%	17.36%	15.98%	15.20%	13.68%	15.42%	12.82%	9.78%	6.09%	14.71%
Red Flag Computation 12	2,436,545	39,953	61,461	90,207	156,722	195,086	231,742	198,975	190,898	220,943	251,781	234,316	208,212	193,613	162,636
	14.12%	4.53%	5.84%	6.62%	10.52%	13.43%	14.02%	12.98%	13.19%	15.41%	17.66%	19.38%	21.55%	25.90%	26.96%
Red Flag Computation 13	866,522	18,054	26,789	36,250	55,703	64,542	74,991	63,770	74,649	84,804	95,931	80,714	64,160	65,359	60,806
	5.02%	2.05%	2.54%	2.66%	3.74%	4.44%	4.54%	4.16%	5.16%	5.91%	6.73%	6.67%	6.64%	8.74%	10.08%
Red Flag Computation 14	399,060	24,638	28,097	37,726	69,686	62,882	86,249	52,919	26,776	10,087	0	0	0	0	0
	2.31%	2.79%	2.67%	2.77%	4.68%	4.33%	5.22%	3.45%	1.85%	0.70%	0.00%	0.00%	0.00%	0.00%	0.00%
Red Flag Computation 15	8,656,126	453,168	568,064	798,219	864,445	823,832	960,053	818,366	711,265	667,995	642,648	518,961	378,555	265,049	185,506
	50.15%	51.34%	53.95%	58.59%	58.02%	56.70%	58.07%	53.41%	49.15%	46.59%	45.08%	42.91%	39.19%	35.45%	30.76%
Red Flag Computation 16	364,565	760	1,095	660	42,435	18,595	111,614	62,227	46,099	30,487	20,748	9,517	7,374	6,189	6,765
	2.11%	0.09%	0.10%	0.05%	2.85%	1.28%	6.75%	4.06%	3.19%	2.13%	1.46%	0.79%	0.76%	0.83%	1.12%
Flagged for Any of the Red Flag Computation 1-16	21,162,702	1,126,148	1,338,279	1,665,865	1,822,395	1,782,476	1,995,248	1,852,706	1,767,385	1,735,987	1,719,706	1,475,046	1,187,428	947,772	746,261
	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%

Notes

Defendant	Date Range
CVS	January 1, 2006 to November 29, 2019
Giant Eagle/HBC	January 1, 2006 to December 3, 2019
Rite Aid	January 1, 2006 to November 19, 2019
Walgreens	January 3, 2006 to January 3, 2020
Wal-Mart	January 2, 2006 to April 25, 2018

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Rite Aid Combination Red Flagged Prescriptions Summary
Lake County and Trumbull County, OH
Red Flag Computation 1-16, in MME

	Total	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Total MME of Combination Red Flagged Prescriptions	402,306,189	21,710,169	25,038,998	34,659,918	39,001,260	36,871,302	41,791,817	37,074,356	33,279,896	30,742,119	31,959,290	26,941,476	19,343,432	13,575,088	10,317,066
Total MME of Combination Red Flagged Opioid Prescriptions	402,306,189	21,710,169	25,038,998	34,659,918	39,001,260	36,871,302	41,791,817	37,074,356	33,279,896	30,742,119	31,959,290	26,941,476	19,343,432	13,575,088	10,317,066
Red Flag Computation 1	35,073,967	1,561,062	1,623,667	2,341,445	4,173,429	4,294,290	5,138,723	3,542,350	3,022,720	2,742,013	2,609,405	1,844,078	1,057,911	725,486	397,390
	8.72%	7.19%	6.48%	6.76%	10.70%	11.65%	12.30%	9.55%	9.08%	8.92%	8.16%	6.84%	5.47%	5.34%	3.85%
Red Flag Computation 2	116,942,339	5,471,477	7,633,668	12,098,013	12,421,503	11,998,541	12,067,125	10,253,944	9,462,148	8,506,760	8,421,078	7,348,725	5,249,618	3,617,394	2,392,346
	29.07%	25.20%	30.49%	34.90%	31.85%	32.54%	28.87%	27.66%	28.43%	27.67%	26.35%	27.28%	27.14%	26.65%	23.19%
Red Flag Computation 3	46,500,475	3,072,921	3,594,530	4,770,052	4,732,643	4,386,837	5,169,601	4,623,841	3,837,638	3,187,573	3,073,007	2,801,137	1,525,499	972,184	753,012
	11.56%	14.15%	14.36%	13.76%	12.13%	11.90%	12.37%	12.47%	11.53%	10.37%	9.62%	10.40%	7.89%	7.16%	7.30%
Red Flag Computation 4	39,711,366	2,147,768	1,603,238	2,697,883	3,217,431	2,996,611	3,037,255	4,310,655	4,020,507	4,065,780	5,007,128	3,095,220	1,658,374	1,115,263	738,254
	9.87%	9.89%	6.40%	7.78%	8.25%	8.13%	7.27%	11.63%	12.08%	13.23%	15.67%	11.49%	8.57%	8.22%	7.16%
Red Flag Computation 5	39,173,654	2,132,928	2,672,885	3,064,772	4,427,975	4,484,039	5,189,678	4,149,346	3,221,984	2,798,756	2,170,363	1,963,578	1,307,571	895,075	694,708
	9.74%	9.82%	10.67%	8.84%	11.35%	12.16%	12.42%	11.19%	9.68%	9.10%	6.79%	7.29%	6.76%	6.59%	6.73%
Red Flag Computation 6	10,284,399	478,175	918,150	1,163,155	1,204,013	1,122,450	1,269,293	1,077,638	889,383	772,813	429,151	351,448	208,440	206,553	193,740
	2.56%	2.20%	3.67%	3.36%	3.09%	3.04%	3.04%	2.91%	2.67%	2.51%	1.34%	1.30%	1.08%	1.52%	1.88%
Red Flag Computation 7	178,854,932	9,890,131	12,037,448	15,928,507	18,004,592	16,394,102	17,409,202	15,826,278	14,574,264	13,685,246	13,512,998	11,349,603	8,646,649	6,753,417	4,842,493
	44.46%	45.56%	48.07%	45.96%	46.16%	44.46%	41.66%	42.69%	43.79%	44.52%	42.28%	42.13%	44.70%	49.75%	46.94%
Red Flag Computation 8	96,736,452	5,623,600	6,793,058	7,804,289	9,286,221	8,286,976	8,850,815	8,112,944	7,939,903	7,332,355	7,522,790	6,424,041	5,063,338	4,393,994	3,302,129
	24.05%	25.90%	27.13%	22.52%	23.81%	22.48%	21.18%	21.88%	23.86%	23.85%	23.54%	23.84%	26.18%	32.37%	32.01%
Red Flag Computation 9	31,664,430	575,178	1,301,728	3,616,154	2,738,778	1,973,140	3,049,899	2,652,128	2,921,999	2,708,200	3,140,516	2,839,048	1,762,718	1,159,027	1,225,919
	7.87%	2.65%	5.20%	10.43%	7.02%	5.35%	7.30%	7.15%	8.78%	8.81%	9.83%	10.54%	9.11%	8.54%	11.88%
Red Flag Computation 10	169,484,476	9,376,929	11,653,957	16,446,247	19,436,170	17,811,423	19,645,205	16,420,528	13,582,465	10,450,712	11,411,153	8,317,350	4,773,847	2,657,465	7,501,027
	42.13%	43.19%	46.54%	47.45%	49.83%	48.31%	47.01%	44.29%	40.81%	33.99%	35.71%	30.87%	24.68%	19.58%	72.71%
Red Flag Computation 11	165,863,833	9,376,929	11,653,957	16,446,247	19,436,170	17,811,423	19,645,205	16,420,528	13,582,465	10,450,712	11,411,153	8,317,350	4,773,847	2,657,465	3,880,384
	41.23%	43.19%	46.54%	47.45%	49.83%	48.31%	47.01%	44.29%	40.81%	33.99%	35.71%	30.87%	24.68%	19.58%	37.61%
Red Flag Computation 12	42,842,930	539,778	598,423	1,186,678	3,968,423	5,160,088	6,023,373	4,142,423	3,108,555	3,092,795	3,728,753	3,513,285	3,100,580	2,568,430	2,111,350
	10.65%	2.49%	2.39%	3.42%	10.18%	13.99%	14.41%	11.17%	9.34%	10.06%	11.67%	13.04%	16.03%	18.92%	20.46%
Red Flag Computation 13	14,684,941	241,450	238,903	469,140	1,406,960	1,792,930	1,877,928	1,220,558	1,233,445	1,125,865	1,292,635	1,153,068	956,681	878,333	797,048
	3.65%	1.11%	0.95%	1.35%	3.61%	4.86%	4.49%	3.29%	3.71%	3.66%	4.04%	4.28%	4.95%	6.47%	7.73%
Red Flag Computation 14	3,105,851	190,610	207,668	291,595	522,693	491,623	690,411	428,783	197,733	84,738	0	0	0	0	0
	0.77%	0.88%	0.83%	0.84%	1.34%	1.33%	1.65%	1.16%	0.59%	0.28%	0.00%	0.00%	0.00%	0.00%	0.00%
Red Flag Computation 15	270,004,845	15,532,700	17,949,479	26,661,430	29,323,011	27,080,227	30,279,914	26,101,232	21,455,240	18,725,888	19,556,445	15,712,473	10,414,854	6,646,343	4,565,610
	67.11%	71.55%	71.69%	76.92%	75.18%	73.45%	72.45%	70.40%	64.47%	60.91%	61.19%	58.32%	53.84%	48.96%	44.25%
Red Flag Computation 16	7,297,927	7,100	10,555	5,490	1,037,963	430,655	2,389,753	1,167,882	876,171	551,253	328,350	163,605	149,782	101,195	78,175
	1.81%	0.03%	0.04%	0.02%	2.66%	1.17%	5.72%	3.15%	2.63%	1.79%	1.03%	0.61%	0.77%	0.75%	0.76%
Flagged for Any of the Red Flag Computation 1-16	402,306,189	21,710,169	25,038,998	34,659,918	39,001,260	36,871,302	41,791,817	37,074,356	33,279,896	30,742,119	31,959,290	26,941,476	19,343,432	13,575,088	10,317,066
	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%

Notes

Defendant	Date Range
CVS	January 1, 2006 to November 29, 2019
Giant Eagle/HBC	January 1, 2006 to December 3, 2019
Rite Aid	January 1, 2006 to November 19, 2019
Walgreens	January 3, 2006 to January 3, 2020
Wal-Mart	January 2, 2006 to April 25, 2018

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Rite Aid Combination Red Flagged Prescriptions Summary
Lake County, OH
Red Flag Computation 1-16, in # of Prescriptions

	Total	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Total # of Combination Red Flagged Prescriptions	71,014	3,968	4,697	5,843	6,459	6,719	7,655	6,584	6,238	5,995	5,598	4,164	3,167	2,255	1,672
Total # of Combination Red Flagged Opioid Prescriptions	59,259	3,254	3,860	4,890	5,417	5,589	6,227	5,424	5,208	5,021	4,701	3,570	2,755	1,911	1,432
Red Flag Computation 1	8,360	345	300	579	932	1,018	1,093	792	667	727	665	488	358	265	131
	14.11%	10.60%	7.77%	11.84%	17.21%	18.21%	17.55%	14.60%	12.81%	14.48%	14.15%	13.67%	12.99%	13.87%	9.15%
Red Flag Computation 2	22,558	1,220	1,429	1,906	2,190	2,174	2,207	1,915	1,853	1,749	1,774	1,511	1,274	806	550
	38.07%	37.49%	37.02%	38.98%	40.43%	38.90%	35.44%	35.31%	35.58%	34.83%	37.74%	42.32%	46.24%	42.18%	38.41%
Red Flag Computation 3	9,957	682	856	839	873	1,130	1,056	876	900	765	792	554	308	180	146
	16.80%	20.96%	22.18%	17.16%	16.12%	20.22%	16.96%	16.15%	17.28%	15.24%	16.85%	15.52%	11.18%	9.42%	10.20%
Red Flag Computation 4	3,467	144	154	249	269	284	345	315	293	346	359	325	199	109	76
	5.85%	4.43%	3.99%	5.09%	4.97%	5.08%	5.54%	5.81%	5.63%	6.89%	7.64%	9.10%	7.22%	5.70%	5.31%
Red Flag Computation 5	10,093	651	812	799	957	1,222	1,264	942	732	807	663	465	388	239	152
	14.21%	16.41%	17.29%	13.67%	14.82%	18.19%	16.51%	14.31%	11.73%	13.46%	11.84%	11.17%	12.25%	10.60%	9.09%
Red Flag Computation 6	2,034	114	169	209	200	234	304	248	176	135	96	43	44	35	27
	2.86%	2.87%	3.60%	3.58%	3.10%	3.48%	3.97%	3.77%	2.82%	2.25%	1.71%	1.03%	1.39%	1.55%	1.61%
Red Flag Computation 7	32,440	1,764	2,108	2,613	2,967	3,107	3,715	3,131	2,816	2,794	2,500	1,777	1,321	1,099	728
	45.68%	44.46%	44.88%	44.72%	45.94%	46.24%	48.53%	47.55%	45.14%	46.61%	44.66%	42.68%	41.71%	48.74%	43.54%
Red Flag Computation 8	16,023	890	1,013	1,223	1,409	1,499	1,946	1,654	1,533	1,387	1,256	840	546	473	354
	22.56%	22.43%	21.57%	20.93%	21.81%	22.31%	25.42%	25.12%	24.58%	23.14%	22.44%	20.17%	17.24%	20.98%	21.17%
Red Flag Computation 9	4,368	116	132	534	410	367	468	456	468	410	360	286	192	93	76
	7.37%	3.56%	3.42%	10.92%	7.57%	6.57%	7.52%	8.41%	8.99%	8.17%	7.66%	8.01%	6.97%	4.87%	5.31%
Red Flag Computation 10	5,893	283	367	504	555	562	692	593	446	381	404	273	146	78	609
	9.94%	8.70%	9.51%	10.31%	10.25%	10.06%	11.11%	10.93%	8.56%	7.59%	8.59%	7.65%	5.30%	4.08%	42.53%
Red Flag Computation 11	5,484	283	367	504	555	562	692	593	446	381	404	273	146	78	200
	9.25%	8.70%	9.51%	10.31%	10.25%	10.06%	11.11%	10.93%	8.56%	7.59%	8.59%	7.65%	5.30%	4.08%	13.97%
Red Flag Computation 12	1,749	38	106	106	169	210	239	137	124	165	115	102	94	106	38
	2.95%	1.17%	2.75%	2.17%	3.12%	3.76%	3.84%	2.53%	2.38%	3.29%	2.45%	2.86%	3.41%	5.55%	2.65%
Red Flag Computation 13	709	46	49	48	58	55	74	62	63	29	41	46	71	57	10
	1.20%	1.41%	1.27%	0.98%	1.07%	0.98%	1.19%	1.14%	1.21%	0.58%	0.87%	1.29%	2.58%	2.98%	0.70%
Red Flag Computation 14	1,247	51	56	99	192	211	251	199	139	49	0	0	0	0	0
	2.10%	1.57%	1.45%	2.02%	3.54%	3.78%	4.03%	3.67%	2.67%	0.98%	0.00%	0.00%	0.00%	0.00%	0.00%
Red Flag Computation 15	34,386	1,800	2,274	3,183	3,553	3,811	3,790	3,261	2,917	2,612	2,453	1,814	1,391	934	593
	58.03%	55.32%	58.91%	65.09%	65.59%	68.19%	60.86%	60.12%	56.01%	52.02%	52.18%	50.81%	50.49%	48.87%	41.41%
Red Flag Computation 16	2,109	2	3	3	216	82	685	469	287	131	89	56	39	26	21
	3.56%	0.06%	0.08%	0.06%	3.99%	1.47%	11.00%	8.65%	5.51%	2.61%	1.89%	1.57%	1.42%	1.36%	1.47%
Flagged for Any of the Red Flag Computation 1-16	71,014	3,968	4,697	5,843	6,459	6,719	7,655	6,584	6,238	5,995	5,598	4,164	3,167	2,255	1,672
	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%

Notes

Defendant	Date Range
CVS	January 1, 2006 to November 29, 2019
Giant Eagle/HBC	January 1, 2006 to December 3, 2019
Rite Aid	January 1, 2006 to November 19, 2019
Walgreens	January 3, 2006 to January 3, 2020
Wal-Mart	January 2, 2006 to April 25, 2018

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Rite Aid Combination Red Flagged Prescriptions Summary
Lake County, OH
Red Flag Computation 1-16, in Dosage Units

	Total	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Total Dosage Units of Combination Red Flagged Prescriptions	5,712,931	280,175	369,389	474,481	524,956	537,144	640,722	547,536	509,077	476,855	445,627	340,103	260,090	171,640	135,136
Total Dosage Units of Combination Red Flagged Opioid Prescriptions	4,991,469	233,378	319,332	418,318	459,741	461,077	549,727	474,839	447,730	418,977	394,117	305,189	237,210	151,488	120,346
Red Flag Computation 1	751,680	24,097	24,961	45,403	80,554	90,366	110,384	78,678	61,543	63,123	61,005	45,148	33,067	21,877	11,474
	15.06%	10.33%	7.82%	10.85%	17.52%	19.60%	20.08%	16.57%	13.75%	15.07%	15.48%	14.79%	13.94%	14.44%	9.53%
Red Flag Computation 2	1,983,047	89,132	119,230	153,518	189,175	190,016	203,576	168,630	168,802	162,925	167,084	144,671	112,801	64,759	48,728
	39.73%	38.19%	37.34%	36.70%	41.15%	41.21%	37.03%	35.51%	37.70%	38.89%	42.39%	47.40%	47.55%	42.75%	40.49%
Red Flag Computation 3	650,081	41,051	58,632	61,654	53,444	72,103	69,804	56,364	57,750	48,028	48,885	41,558	20,100	9,865	10,843
	13.02%	17.59%	18.36%	14.74%	11.62%	15.64%	12.70%	11.87%	12.90%	11.46%	12.40%	13.62%	8.47%	6.51%	9.01%
Red Flag Computation 4	289,016	9,023	12,694	22,150	22,326	20,369	29,742	24,780	22,234	29,096	31,476	28,564	19,096	10,023	7,443
	5.79%	3.87%	3.98%	5.30%	4.86%	4.42%	5.41%	5.22%	4.97%	6.94%	7.99%	9.36%	8.05%	6.62%	6.18%
Red Flag Computation 5	819,846	57,867	64,272	66,029	79,102	96,564	101,822	76,943	60,746	67,437	51,894	37,804	27,706	18,651	13,009
	14.35%	20.65%	17.40%	13.92%	15.07%	17.98%	15.89%	14.05%	11.93%	14.14%	11.65%	11.12%	10.65%	10.87%	9.63%
Red Flag Computation 6	165,786	10,959	13,466	15,021	14,759	19,283	24,494	21,025	14,766	11,660	7,565	4,232	3,260	3,075	2,221
	2.90%	3.91%	3.65%	3.17%	2.81%	3.59%	3.82%	3.84%	2.90%	2.45%	1.70%	1.24%	1.25%	1.79%	1.64%
Red Flag Computation 7	2,407,006	125,721	162,150	198,672	227,008	223,025	282,980	243,144	214,673	201,652	174,979	126,282	94,145	76,065	56,510
	42.13%	44.87%	43.90%	41.87%	43.24%	41.52%	44.17%	44.41%	42.17%	42.29%	39.27%	37.13%	36.20%	44.32%	41.82%
Red Flag Computation 8	1,169,768	62,006	73,140	81,104	102,575	108,629	150,085	135,404	118,955	97,557	86,702	58,209	34,427	33,658	27,317
	20.48%	22.13%	19.80%	17.09%	19.54%	20.22%	23.42%	24.73%	23.37%	20.46%	19.46%	17.12%	13.24%	19.61%	20.21%
Red Flag Computation 9	491,476	7,604	17,765	68,986	52,591	40,943	56,905	54,494	52,298	41,527	33,129	28,495	22,877	6,610	7,252
	9.85%	3.26%	5.56%	16.49%	11.44%	8.88%	10.35%	11.48%	11.68%	9.91%	8.41%	9.34%	9.64%	4.36%	6.03%
Red Flag Computation 10	786,080	25,365	45,634	58,312	72,085	67,389	91,879	83,541	68,460	67,086	66,236	43,896	25,408	8,858	61,931
	15.75%	10.87%	14.29%	13.94%	15.68%	14.62%	16.71%	17.59%	15.29%	16.01%	16.81%	14.38%	10.71%	5.85%	51.46%
Red Flag Computation 11	746,763	25,365	45,634	58,312	72,085	67,389	91,879	83,541	68,460	67,086	66,236	43,896	25,408	8,858	22,614
	14.96%	10.87%	14.29%	13.94%	15.68%	14.62%	16.71%	17.59%	15.29%	16.01%	16.81%	14.38%	10.71%	5.85%	18.79%
Red Flag Computation 12	226,600	4,477	17,469	18,652	23,688	27,396	30,968	20,299	17,830	20,317	11,877	9,308	9,236	11,397	3,686
	4.54%	1.92%	5.47%	4.46%	5.15%	5.94%	5.63%	4.27%	3.98%	4.85%	3.01%	3.05%	3.89%	7.52%	3.06%
Red Flag Computation 13	88,888	3,707	7,418	7,624	8,733	7,606	10,629	8,083	7,316	4,197	4,752	4,577	7,399	5,950	897
	1.78%	1.59%	2.32%	1.82%	1.90%	1.65%	1.93%	1.70%	1.63%	1.00%	1.21%	1.50%	3.12%	3.93%	0.75%
Red Flag Computation 14	120,473	5,115	6,184	11,181	17,808	17,441	26,090	19,816	13,336	3,502	0	0	0	0	0
	2.41%	2.19%	1.94%	2.67%	3.87%	3.78%	4.75%	4.17%	2.98%	0.84%	0.00%	0.00%	0.00%	0.00%	0.00%
Red Flag Computation 15	3,048,813	149,391	209,116	291,755	317,038	318,822	352,209	300,884	261,536	237,793	214,248	154,586	120,294	72,484	48,657
	61.08%	64.01%	65.49%	69.74%	68.96%	69.15%	64.07%	63.37%	58.41%	56.76%	54.36%	50.65%	50.71%	47.85%	40.43%
Red Flag Computation 16	163,791	220	288	240	16,625	4,920	61,397	33,521	20,615	8,134	8,479	2,815	3,515	1,505	1,517
	3.28%	0.09%	0.09%	0.06%	3.62%	1.07%	11.17%	7.06%	4.60%	1.94%	2.15%	0.92%	1.48%	0.99%	1.26%
Flagged for Any of the Red Flag Computation 1-16	5,712,931	280,175	369,389	474,481	524,956	537,144	640,722	547,536	509,077	476,855	445,627	340,103	260,090	171,640	135,136
	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%

Notes

Defendant	Date Range
CVS	January 1, 2006 to November 29, 2019
Giant Eagle/HBC	January 1, 2006 to December 3, 2019
Rite Aid	January 1, 2006 to November 19, 2019
Walgreens	January 3, 2006 to January 3, 2020
Wal-Mart	January 2, 2006 to April 25, 2018

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Rite Aid Combination Red Flagged Prescriptions Summary
Lake County, OH
Red Flag Computation 1-16, in MME

	Total	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Total MME of Combination Red Flagged Prescriptions	126,275,907	5,834,295	7,467,033	11,574,472	13,130,442	12,996,903	15,171,153	12,422,500	10,431,040	9,551,482	9,280,092	7,428,624	5,694,710	3,163,379	2,129,785
Total MME of Combination Red Flagged Opioid Prescriptions	126,275,907	5,834,295	7,467,033	11,574,472	13,130,442	12,996,903	15,171,153	12,422,500	10,431,040	9,551,482	9,280,092	7,428,624	5,694,710	3,163,379	2,129,785
Red Flag Computation 1	23,757,735	833,885	846,692	1,721,509	3,211,289	3,297,753	3,793,448	2,532,962	1,766,558	1,683,249	1,672,068	1,139,415	751,225	358,189	149,495
	18.81%	14.29%	11.34%	14.87%	24.46%	25.37%	25.00%	20.39%	16.94%	17.62%	18.02%	15.34%	13.19%	11.32%	7.02%
Red Flag Computation 2	58,337,375	2,576,490	3,414,019	4,952,670	6,581,150	6,743,155	6,633,190	4,963,086	4,553,421	4,172,526	4,392,200	3,955,089	2,984,487	1,463,263	952,630
	46.20%	44.16%	45.72%	42.79%	50.12%	51.88%	43.72%	39.95%	43.65%	43.68%	47.33%	53.24%	52.41%	46.26%	44.73%
Red Flag Computation 3	14,676,093	1,051,961	1,344,127	1,354,188	1,152,390	1,746,234	1,621,694	1,237,101	1,313,378	873,251	1,021,804	1,000,235	507,928	190,468	261,337
	11.62%	18.03%	18.00%	11.70%	8.78%	13.44%	10.69%	9.96%	12.59%	9.14%	11.01%	13.46%	8.92%	6.02%	12.27%
Red Flag Computation 4	7,440,090	270,780	286,672	653,467	673,288	611,971	878,786	705,854	509,842	697,500	758,720	697,358	364,891	182,245	148,718
	5.89%	4.64%	3.84%	5.65%	5.13%	4.71%	5.79%	5.68%	4.89%	7.30%	8.18%	9.39%	6.41%	5.76%	6.98%
Red Flag Computation 5	10,908,758	752,195	704,900	643,315	1,458,406	1,710,949	1,652,123	1,092,778	637,301	744,910	555,808	406,767	311,101	129,765	108,443
	8.64%	12.89%	9.44%	5.56%	11.11%	13.16%	10.89%	8.80%	6.11%	7.80%	5.99%	5.48%	5.46%	4.10%	5.09%
Red Flag Computation 6	2,013,578	110,665	153,448	127,535	152,935	360,675	472,203	307,868	145,570	84,633	51,015	19,920	11,700	7,013	8,400
	1.59%	1.90%	2.05%	1.10%	1.16%	2.78%	3.11%	2.48%	1.40%	0.89%	0.55%	0.27%	0.21%	0.22%	0.39%
Red Flag Computation 7	42,634,505	1,963,165	2,620,202	4,106,788	4,813,971	4,545,167	5,329,671	4,249,212	3,373,810	3,254,737	2,871,789	2,040,836	1,584,713	1,127,830	752,615
	33.76%	33.65%	35.09%	35.48%	36.66%	34.97%	35.13%	34.21%	32.34%	34.08%	30.95%	27.47%	27.83%	35.65%	35.34%
Red Flag Computation 8	15,292,581	752,111	906,238	1,018,893	1,522,457	1,645,564	2,329,213	1,970,279	1,404,516	1,100,953	1,025,512	680,472	329,073	344,806	262,498
	12.11%	12.89%	12.14%	8.80%	11.59%	12.66%	15.35%	15.86%	13.46%	11.53%	11.05%	9.16%	5.78%	10.90%	12.33%
Red Flag Computation 9	12,741,948	151,693	509,005	2,282,418	1,506,063	997,838	1,417,295	1,393,701	1,245,147	965,513	740,050	655,603	550,425	134,126	193,075
	10.09%	2.60%	6.82%	19.72%	11.47%	7.68%	9.34%	11.22%	11.94%	10.11%	7.97%	8.83%	9.67%	4.24%	9.07%
Red Flag Computation 10	47,049,360	2,386,100	3,324,430	4,587,852	5,161,070	5,301,407	5,988,785	4,972,728	3,680,795	2,992,832	2,860,941	2,151,445	1,357,529	652,580	1,630,866
	37.26%	40.90%	44.52%	39.64%	39.31%	40.79%	39.47%	40.03%	35.29%	31.33%	30.83%	28.96%	23.84%	20.63%	76.57%
Red Flag Computation 11	46,369,390	2,386,100	3,324,430	4,587,852	5,161,070	5,301,407	5,988,785	4,972,728	3,680,795	2,992,832	2,860,941	2,151,445	1,357,529	652,580	950,896
	36.72%	40.90%	44.52%	39.64%	39.31%	40.79%	39.47%	40.03%	35.29%	31.33%	30.83%	28.96%	23.84%	20.63%	44.65%
Red Flag Computation 12	3,550,905	39,840	140,815	165,255	387,308	562,915	687,175	239,043	171,405	262,988	218,323	190,803	239,035	213,668	32,335
	2.81%	0.68%	1.89%	1.43%	2.95%	4.33%	4.53%	1.92%	1.64%	2.75%	2.35%	2.57%	4.20%	6.75%	1.52%
Red Flag Computation 13	1,232,355	58,575	56,030	65,800	132,413	87,610	201,905	108,920	68,183	45,458	87,660	70,905	137,755	104,753	6,390
	0.98%	1.00%	0.75%	0.57%	1.01%	0.67%	1.33%	0.88%	0.65%	0.48%	0.94%	0.95%	2.42%	3.31%	0.30%
Red Flag Computation 14	805,480	33,100	39,838	75,240	112,625	122,200	178,955	133,313	86,418	23,793	0	0	0	0	0
	0.64%	0.57%	0.53%	0.65%	0.86%	0.94%	1.18%	1.07%	0.83%	0.25%	0.00%	0.00%	0.00%	0.00%	0.00%
Red Flag Computation 15	95,124,544	4,530,815	6,131,826	9,894,669	10,928,840	10,811,950	11,499,127	9,543,195	7,423,737	6,717,134	6,158,748	4,675,216	3,750,877	1,917,952	1,140,459
	75.33%	77.66%	82.12%	85.49%	83.23%	83.19%	75.80%	76.82%	71.17%	70.33%	66.37%	62.94%	65.87%	60.63%	53.55%
Red Flag Computation 16	3,642,803	1,700	2,760	2,340	427,755	113,723	1,352,058	699,052	414,707	228,153	171,935	72,463	93,934	40,108	22,118
	2.88%	0.03%	0.04%	0.02%	3.26%	0.87%	8.91%	5.63%	3.98%	2.39%	1.85%	0.98%	1.65%	1.27%	1.04%
Flagged for Any of the Red Flag Computation 1-16	126,275,907	5,834,295	7,467,033	11,574,472	13,130,442	12,996,903	15,171,153	12,422,500	10,431,040	9,551,482	9,280,092	7,428,624	5,694,710	3,163,379	2,129,785
	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%

Notes

Defendant	Date Range
CVS	January 1, 2006 to November 29, 2019
Giant Eagle/HBC	January 1, 2006 to December 3, 2019
Rite Aid	January 1, 2006 to November 19, 2019
Walgreens	January 3, 2006 to January 3, 2020
Wal-Mart	January 2, 2006 to April 25, 2018

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Rite Aid Combination Red Flagged Prescriptions Summary
Trumbull County, OH
Red Flag Computation 1-16, in # of Prescriptions

	Total	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Total # of Combination Red Flagged Prescriptions	197,114	12,465	13,435	15,524	16,653	15,969	17,148	16,380	15,335	15,323	15,564	14,219	11,641	9,659	7,799
Total # of Combination Red Flagged Opioid Prescriptions	150,136	9,436	9,982	11,789	12,673	12,160	13,293	12,682	11,626	11,859	12,075	10,821	8,682	7,155	5,903
Red Flag Computation 1	5,960	411	420	440	507	525	614	550	534	526	488	335	204	230	176
	3.97%	4.36%	4.21%	3.73%	4.00%	4.32%	4.62%	4.34%	4.59%	4.44%	4.04%	3.10%	2.35%	3.21%	2.98%
Red Flag Computation 2	35,410	2,258	2,721	3,643	3,186	3,054	3,123	3,371	2,702	2,667	2,457	1,995	1,713	1,424	1,096
	23.59%	23.93%	27.26%	30.90%	25.14%	25.12%	23.49%	26.58%	23.24%	22.49%	20.35%	18.44%	19.73%	19.90%	18.57%
Red Flag Computation 3	21,759	1,450	1,581	2,011	2,240	1,876	2,196	2,196	1,687	1,729	1,491	1,269	818	747	468
	14.49%	15.37%	15.84%	17.06%	17.68%	15.43%	16.52%	17.32%	14.51%	14.58%	12.35%	11.73%	9.42%	10.44%	7.93%
Red Flag Computation 4	14,033	819	675	880	1,162	1,050	1,101	1,493	1,342	1,429	1,784	949	532	501	316
	9.35%	8.68%	6.76%	7.46%	9.17%	8.63%	8.28%	11.77%	11.54%	12.05%	14.77%	8.77%	6.13%	7.00%	5.35%
Red Flag Computation 5	25,221	1,322	1,883	2,202	2,442	2,329	2,706	2,390	2,123	1,784	1,393	1,559	1,247	995	846
	12.80%	10.61%	14.02%	14.18%	14.66%	14.58%	15.78%	14.59%	13.84%	11.64%	8.95%	10.96%	10.71%	10.30%	10.85%
Red Flag Computation 6	7,697	419	688	788	745	619	645	714	625	467	441	486	395	331	334
	3.90%	3.36%	5.12%	5.08%	4.47%	3.88%	3.76%	4.36%	4.08%	3.05%	2.83%	3.42%	3.39%	3.43%	4.28%
Red Flag Computation 7	111,270	7,406	7,978	8,918	9,648	9,201	9,375	8,881	8,685	8,525	8,398	7,919	6,604	5,542	4,190
	56.45%	59.41%	59.38%	57.45%	57.94%	57.62%	54.67%	54.22%	56.64%	55.64%	53.96%	55.69%	56.73%	57.38%	53.72%
Red Flag Computation 8	79,610	5,321	5,853	6,202	6,616	6,219	6,120	6,050	6,240	6,021	6,111	5,871	5,194	4,447	3,345
	40.39%	42.69%	43.57%	39.95%	39.73%	38.94%	35.69%	36.94%	40.69%	39.29%	39.26%	41.29%	44.62%	46.04%	42.89%
Red Flag Computation 9	8,882	281	303	397	449	395	951	691	671	771	1,122	1,186	749	471	445
	5.92%	2.98%	3.04%	3.37%	3.54%	3.25%	7.15%	5.45%	5.77%	6.50%	9.29%	10.96%	8.63%	6.58%	7.54%
Red Flag Computation 10	19,722	1,022	1,063	1,427	1,973	1,889	1,986	1,618	1,424	1,142	1,428	1,166	664	263	2,657
	13.14%	10.83%	10.65%	12.10%	15.57%	15.53%	14.94%	12.76%	12.25%	9.63%	11.83%	10.78%	7.65%	3.68%	45.01%
Red Flag Computation 11	17,624	1,022	1,063	1,427	1,973	1,889	1,986	1,618	1,424	1,142	1,428	1,166	664	263	559
	11.74%	10.83%	10.65%	12.10%	15.57%	15.53%	14.94%	12.76%	12.25%	9.63%	11.83%	10.78%	7.65%	3.68%	9.47%
Red Flag Computation 12	22,946	535	599	846	1,391	1,617	1,850	1,725	1,675	2,033	2,554	2,428	2,148	1,877	1,668
	15.28%	5.67%	6.00%	7.18%	10.98%	13.30%	13.92%	13.60%	14.41%	17.14%	21.15%	22.44%	24.74%	26.23%	28.26%
Red Flag Computation 13	7,822	184	242	327	473	544	599	537	642	765	914	805	602	596	592
	5.21%	1.95%	2.42%	2.77%	3.73%	4.47%	4.51%	4.23%	5.52%	6.45%	7.57%	7.44%	6.93%	8.33%	10.03%
Red Flag Computation 14	2,829	202	215	269	527	468	582	343	134	89	0	0	0	0	0
	1.88%	2.14%	2.15%	2.28%	4.16%	3.85%	4.38%	2.70%	1.15%	0.75%	0.00%	0.00%	0.00%	0.00%	0.00%
Red Flag Computation 15	68,656	4,302	4,596	5,970	6,592	6,225	7,125	6,088	5,114	5,126	5,320	4,749	3,239	2,577	1,633
	45.73%	45.59%	46.04%	50.64%	52.02%	51.19%	53.60%	48.01%	43.99%	43.22%	44.06%	43.89%	37.31%	36.02%	27.66%
Red Flag Computation 16	3,132	6	12	6	295	178	818	538	411	318	184	105	69	97	95
	2.09%	0.06%	0.12%	0.05%	2.33%	1.46%	6.15%	4.24%	3.54%	2.68%	1.52%	0.97%	0.79%	1.36%	1.61%
Flagged for Any of the Red Flag Computation 1-16	197,114	12,465	13,435	15,524	16,653	15,969	17,148	16,380	15,335	15,323	15,564	14,219	11,641	9,659	7,799
	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%

Notes

Defendant	Date Range
CVS	January 1, 2006 to November 29, 2019
Giant Eagle/HBC	January 1, 2006 to December 3, 2019
Rite Aid	January 1, 2006 to November 19, 2019
Walgreens	January 3, 2006 to January 3, 2020
Wal-Mart	January 2, 2006 to April 25, 2018

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Rite Aid Combination Red Flagged Prescriptions Summary
Trumbull County, OH
Red Flag Computation 1-16, in Dosage Units

	Total	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Total Dosage Units of Combination Red Flagged Prescriptions	15,449,771	845,973	968,890	1,191,384	1,297,439	1,245,332	1,354,526	1,305,170	1,258,308	1,259,132	1,274,079	1,134,943	927,338	776,132	611,125
Total Dosage Units of Combination Red Flagged Opioid Prescriptions	12,267,541	649,271	733,682	944,056	1,030,129	991,860	1,103,404	1,057,537	999,403	1,014,749	1,031,520	904,153	728,822	596,148	482,807
Red Flag Computation 1	512,663	30,444	33,600	34,805	37,875	42,826	54,982	48,817	50,290	48,352	44,726	32,173	17,285	21,056	15,432
	4.18%	4.69%	4.58%	3.69%	3.68%	4.32%	4.98%	4.62%	5.03%	4.76%	4.34%	3.56%	2.37%	3.53%	3.20%
Red Flag Computation 2	2,917,024	148,503	195,697	312,119	287,010	277,970	277,522	299,490	227,401	215,995	195,472	162,462	125,896	110,326	81,161
	23.78%	22.87%	26.67%	33.06%	27.86%	28.03%	25.15%	28.32%	22.75%	21.29%	18.95%	17.97%	17.27%	18.51%	16.81%
Red Flag Computation 3	1,580,777	94,780	113,693	152,702	166,028	141,149	167,356	167,562	124,014	121,871	107,750	87,956	59,109	48,350	28,457
	12.89%	14.60%	15.50%	16.18%	16.12%	14.23%	15.17%	15.84%	12.41%	12.01%	10.45%	9.73%	8.11%	8.11%	5.89%
Red Flag Computation 4	1,159,053	54,968	47,251	74,192	93,056	81,433	83,602	125,167	119,790	122,217	152,775	82,387	48,376	44,985	28,854
	9.45%	8.47%	6.44%	7.86%	9.03%	8.21%	7.58%	11.84%	11.99%	12.04%	14.81%	9.11%	6.64%	7.55%	5.98%
Red Flag Computation 5	2,026,054	98,611	151,256	179,914	194,616	186,894	217,691	197,041	170,759	144,385	112,528	127,442	96,060	82,288	66,569
	13.11%	11.66%	15.61%	15.10%	15.00%	15.01%	16.07%	15.10%	13.57%	11.47%	8.83%	11.23%	10.36%	10.60%	10.89%
Red Flag Computation 6	650,681	35,548	64,492	71,088	61,886	51,587	52,364	59,557	51,205	39,999	35,570	40,857	31,657	27,552	27,319
	4.21%	4.20%	6.66%	5.97%	4.77%	4.14%	3.87%	4.56%	4.07%	3.18%	2.79%	3.60%	3.41%	3.55%	4.47%
Red Flag Computation 7	8,915,565	526,582	590,868	677,777	748,320	705,629	726,626	706,521	727,766	730,207	729,165	663,352	555,616	478,946	348,190
	57.71%	62.25%	60.98%	56.89%	57.68%	56.66%	53.64%	54.13%	57.84%	57.99%	57.23%	58.45%	59.92%	61.71%	56.98%
Red Flag Computation 8	6,500,869	392,686	448,357	474,350	525,174	481,820	474,705	486,815	533,971	528,632	538,863	500,606	440,531	389,492	284,867
	42.08%	46.42%	46.28%	39.82%	40.48%	38.69%	35.05%	37.30%	42.44%	41.98%	42.29%	44.11%	47.50%	50.18%	46.61%
Red Flag Computation 9	851,204	18,428	28,169	49,123	47,197	36,840	92,961	57,065	67,284	76,700	105,182	106,891	68,408	50,218	46,738
	6.94%	2.84%	3.84%	5.20%	4.58%	3.71%	8.42%	5.40%	6.73%	7.56%	10.20%	11.82%	9.39%	8.42%	9.68%
Red Flag Computation 10	1,902,002	59,242	73,910	141,730	195,943	179,353	195,166	161,328	151,531	129,113	153,651	111,115	69,068	36,693	244,159
	15.50%	9.12%	10.07%	15.01%	19.02%	18.08%	17.69%	15.26%	15.16%	12.72%	14.90%	12.29%	9.48%	6.16%	50.57%
Red Flag Computation 11	1,723,933	59,242	73,910	141,730	195,943	179,353	195,166	161,328	151,531	129,113	153,651	111,115	69,068	36,693	66,090
	14.05%	9.12%	10.07%	15.01%	19.02%	18.08%	17.69%	15.26%	15.16%	12.72%	14.90%	12.29%	9.48%	6.16%	13.69%
Red Flag Computation 12	2,209,945	35,476	43,992	71,555	133,034	167,690	200,774	178,676	173,068	200,626	239,904	225,008	198,976	182,216	158,950
	18.01%	5.46%	6.00%	7.58%	12.91%	16.91%	18.20%	16.90%	17.32%	19.77%	23.26%	24.89%	27.30%	30.57%	32.92%
Red Flag Computation 13	777,634	14,347	19,371	28,626	46,970	56,936	64,362	55,687	67,333	80,607	91,179	76,137	56,761	59,409	59,909
	6.34%	2.21%	2.64%	3.03%	4.56%	5.74%	5.83%	5.27%	6.74%	7.94%	8.84%	8.42%	7.79%	9.97%	12.41%
Red Flag Computation 14	278,587	19,523	21,913	26,545	51,878	45,441	60,159	33,103	13,440	6,585	0	0	0	0	0
	2.27%	3.01%	2.99%	2.81%	5.04%	4.58%	5.45%	3.13%	1.34%	0.65%	0.00%	0.00%	0.00%	0.00%	0.00%
Red Flag Computation 15	5,607,313	303,777	358,948	506,464	547,407	505,010	607,844	517,482	449,729	430,202	428,400	364,375	258,261	192,565	136,849
	45.71%	46.79%	48.92%	53.65%	53.14%	50.92%	55.09%	48.93%	45.00%	42.39%	41.53%	40.30%	35.44%	32.30%	28.34%
Red Flag Computation 16	200,774	540	807	420	25,810	13,675	50,217	28,706	25,484	22,353	12,269	6,702	3,859	4,684	5,248
	1.64%	0.08%	0.11%	0.04%	2.51%	1.38%	4.55%	2.71%	2.55%	2.20%	1.19%	0.74%	0.53%	0.79%	1.09%
Flagged for Any of the Red Flag Computation 1-16	15,449,771	845,973	968,890	1,191,384	1,297,439	1,245,332	1,354,526	1,305,170	1,258,308	1,259,132	1,274,079	1,134,943	927,338	776,132	611,125
	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%

Notes

Defendant	Date Range
CVS	January 1, 2006 to November 29, 2019
Giant Eagle/HBC	January 1, 2006 to December 3, 2019
Rite Aid	January 1, 2006 to November 19, 2019
Walgreens	January 3, 2006 to January 3, 2020
Wal-Mart	January 2, 2006 to April 25, 2018

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Rite Aid Combination Red Flagged Prescriptions Summary
Trumbull County, OH
Red Flag Computation 1-16, in MME

	Total	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Total MME of Combination Red Flagged Prescriptions	276,030,282	15,875,874	17,571,966	23,085,447	25,870,819	23,874,399	26,620,664	24,651,856	22,848,857	21,190,638	22,679,199	19,512,853	13,648,722	10,411,709	8,187,282
Total MME of Combination Red Flagged Opioid Prescriptions	276,030,282	15,875,874	17,571,966	23,085,447	25,870,819	23,874,399	26,620,664	24,651,856	22,848,857	21,190,638	22,679,199	19,512,853	13,648,722	10,411,709	8,187,282
Red Flag Computation 1	11,316,232	727,177	776,975	619,936	962,140	996,537	1,345,275	1,009,388	1,256,163	1,058,764	937,338	704,663	306,686	367,298	247,895
	4.10%	4.58%	4.42%	2.69%	3.72%	4.17%	5.05%	4.09%	5.50%	5.00%	4.13%	3.61%	2.25%	3.53%	3.03%
Red Flag Computation 2	58,604,964	2,894,988	4,219,649	7,145,343	5,840,353	5,255,387	5,433,935	5,290,858	4,908,727	4,334,234	4,028,878	3,393,636	2,265,131	2,154,131	1,439,716
	21.23%	18.24%	24.01%	30.95%	22.58%	22.01%	20.41%	21.46%	21.48%	20.45%	17.76%	17.39%	16.60%	20.69%	17.58%
Red Flag Computation 3	31,824,381	2,020,960	2,250,404	3,415,864	3,580,253	2,640,604	3,547,907	3,386,740	2,524,260	2,314,323	2,051,203	1,800,902	1,017,571	781,716	491,675
	11.53%	12.73%	12.81%	14.80%	13.84%	11.06%	13.33%	13.74%	11.05%	10.92%	9.04%	9.23%	7.46%	7.51%	6.01%
Red Flag Computation 4	32,271,276	1,876,988	1,316,567	2,044,416	2,544,143	2,384,641	2,158,469	3,604,801	3,510,665	3,368,280	4,248,408	2,397,862	1,293,483	933,019	589,536
	11.69%	11.82%	7.49%	8.86%	9.83%	9.99%	8.11%	14.62%	15.36%	15.90%	18.73%	12.29%	9.48%	8.96%	7.20%
Red Flag Computation 5	28,264,896	1,380,733	1,967,985	2,421,457	2,969,569	2,773,090	3,537,555	3,056,568	2,584,683	2,053,846	1,614,555	1,556,811	996,470	765,310	586,265
	10.24%	8.70%	11.20%	10.49%	11.48%	11.62%	13.29%	12.40%	11.31%	9.69%	7.12%	7.98%	7.30%	7.35%	7.16%
Red Flag Computation 6	8,270,822	367,510	764,703	1,035,620	1,051,078	761,775	797,090	769,770	743,813	688,180	378,136	331,528	196,740	199,540	185,340
	3.00%	2.31%	4.35%	4.49%	4.06%	3.19%	2.99%	3.12%	3.26%	3.25%	1.67%	1.70%	1.44%	1.92%	2.26%
Red Flag Computation 7	136,220,426	7,926,967	9,417,246	11,821,719	13,190,621	11,848,936	12,079,531	11,577,066	11,200,454	10,430,509	10,641,209	9,308,767	7,061,936	5,625,587	4,089,878
	49.35%	49.93%	53.59%	51.21%	50.99%	49.63%	45.38%	46.96%	49.02%	49.22%	46.92%	47.71%	51.74%	54.03%	49.95%
Red Flag Computation 8	81,443,871	4,871,489	5,886,820	6,785,396	7,763,764	6,641,412	6,521,603	6,142,665	6,535,388	6,231,403	6,497,279	5,743,569	4,734,265	4,049,188	3,039,632
	29.51%	30.68%	33.50%	29.39%	30.01%	27.82%	24.50%	24.92%	28.60%	29.41%	28.65%	29.43%	34.69%	38.89%	37.13%
Red Flag Computation 9	18,922,482	423,485	792,723	1,333,737	1,232,715	975,303	1,632,604	1,258,427	1,676,852	1,742,687	2,400,466	2,183,445	1,212,294	1,024,902	1,032,844
	6.86%	2.67%	4.51%	5.78%	4.76%	4.09%	6.13%	5.10%	7.34%	8.22%	10.58%	11.19%	8.88%	9.84%	12.62%
Red Flag Computation 10	122,435,117	6,990,829	8,329,527	11,858,395	14,275,100	12,510,016	13,656,420	11,447,800	9,901,670	7,457,880	8,550,212	6,165,905	3,416,318	2,004,885	5,870,161
	44.36%	44.03%	47.40%	51.37%	55.18%	52.40%	51.30%	46.44%	43.34%	35.19%	37.70%	31.60%	25.03%	19.26%	71.70%
Red Flag Computation 11	119,494,443	6,990,829	8,329,527	11,858,395	14,275,100	12,510,016	13,656,420	11,447,800	9,901,670	7,457,880	8,550,212	6,165,905	3,416,318	2,004,885	2,929,488
	43.29%	44.03%	47.40%	51.37%	55.18%	52.40%	51.30%	46.44%	43.34%	35.19%	37.70%	31.60%	25.03%	19.26%	35.78%
Red Flag Computation 12	39,292,025	499,938	457,608	1,021,423	3,581,115	4,597,173	5,336,198	3,903,380	2,937,150	2,829,808	3,510,430	3,322,483	2,861,545	2,354,763	2,079,015
	14.23%	3.15%	2.60%	4.42%	13.84%	19.26%	20.05%	15.83%	12.85%	13.35%	15.48%	17.03%	20.97%	22.62%	25.39%
Red Flag Computation 13	13,452,586	182,875	182,873	403,340	1,274,548	1,705,320	1,676,023	1,111,638	1,165,263	1,080,408	1,204,975	1,082,163	818,926	773,580	790,658
	4.87%	1.15%	1.04%	1.75%	4.93%	7.14%	6.30%	4.51%	5.10%	5.10%	5.31%	5.55%	6.00%	7.43%	9.66%
Red Flag Computation 14	2,300,371	157,510	167,830	216,355	410,068	369,423	511,456	295,470	111,315	60,945	0	0	0	0	0
	0.83%	0.99%	0.96%	0.94%	1.59%	1.55%	1.92%	1.20%	0.49%	0.29%	0.00%	0.00%	0.00%	0.00%	0.00%
Red Flag Computation 15	174,880,301	11,001,885	11,817,653	16,766,760	18,394,171	16,268,278	18,780,787	16,558,038	14,031,503	12,008,754	13,397,697	11,037,257	6,663,977	4,728,391	3,425,151
	63.36%	69.30%	67.25%	72.63%	71.10%	68.14%	70.55%	67.17%	61.41%	56.67%	59.07%	56.56%	48.82%	45.41%	41.84%
Red Flag Computation 16	3,655,124	5,400	7,795	3,150	610,208	316,933	1,037,695	468,829	461,464	323,100	156,415	91,143	55,848	61,088	56,058
	1.32%	0.03%	0.04%	0.01%	2.36%	1.33%	3.90%	1.90%	2.02%	1.52%	0.69%	0.47%	0.41%	0.59%	0.68%
Flagged for Any of the Red Flag Computation 1-16	276,030,282	15,875,874	17,571,966	23,085,447	25,870,819	23,874,399	26,620,664	24,651,856	22,848,857	21,190,638	22,679,199	19,512,853	13,648,722	10,411,709	8,187,282
	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%

Notes

Defendant	Date Range
CVS	January 1, 2006 to November 29, 2019
Giant Eagle/HBC	January 1, 2006 to December 3, 2019
Rite Aid	January 1, 2006 to November 19, 2019
Walgreens	January 3, 2006 to January 3, 2020
Wal-Mart	January 2, 2006 to April 25, 2018

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Wal-Mart Combination Red Flagged Prescriptions Summary
Lake County and Trumbull County, OH
Red Flag Computation 1-16, in # of Prescriptions

	Total	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Total # of Combination Red Flagged Prescriptions	49,243	2,420	3,486	3,682	4,349	5,405	5,958	4,455	3,992	3,606	4,095	4,010	3,096	689	0
Total # of Combination Red Flagged Opioid Prescriptions	37,379	1,757	2,559	2,831	3,387	4,252	4,777	3,412	3,030	2,692	2,960	2,874	2,313	535	0
Red Flag Computation 1	2,409	62	125	179	170	205	246	253	250	211	251	241	173	43	0
	6.44%	3.53%	4.88%	6.32%	5.02%	4.82%	5.15%	7.42%	8.25%	7.84%	8.48%	8.39%	7.48%	8.04%	
Red Flag Computation 2	12,310	389	656	709	1,023	1,640	2,147	1,190	798	898	997	901	772	190	0
	32.93%	22.14%	25.64%	25.04%	30.20%	38.57%	44.94%	34.88%	26.34%	33.36%	33.68%	31.35%	33.38%	35.51%	
Red Flag Computation 3	5,229	282	376	437	446	597	561	476	447	393	479	397	265	73	0
	13.99%	16.05%	14.69%	15.44%	13.17%	14.04%	11.74%	13.95%	14.75%	14.60%	16.18%	13.81%	11.46%	13.64%	
Red Flag Computation 4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	
Red Flag Computation 5	7,735	439	681	647	847	984	868	779	539	505	563	518	305	60	0
	15.71%	18.14%	19.54%	17.57%	19.48%	18.21%	14.57%	17.49%	13.50%	14.00%	13.75%	12.92%	9.85%	8.71%	
Red Flag Computation 6	2,467	172	239	250	287	265	285	288	118	173	166	145	67	12	0
	5.01%	7.11%	6.86%	6.79%	6.60%	4.90%	4.78%	6.46%	2.96%	4.80%	4.05%	3.62%	2.16%	1.74%	
Red Flag Computation 7	26,427	1,332	1,884	1,825	2,180	2,663	2,624	2,254	2,260	2,063	2,585	2,565	1,824	368	0
	53.67%	55.04%	54.04%	49.57%	50.13%	49.27%	44.04%	50.59%	56.61%	57.21%	63.13%	63.97%	58.91%	53.41%	
Red Flag Computation 8	18,646	999	1,382	1,253	1,371	1,680	1,722	1,538	1,627	1,529	1,958	1,919	1,398	270	0
	37.87%	41.28%	39.64%	34.03%	31.52%	31.08%	28.90%	34.52%	40.76%	42.40%	47.81%	47.86%	45.16%	39.19%	
Red Flag Computation 9	1,981	62	118	122	200	304	402	166	108	115	144	160	74	6	0
	5.30%	3.53%	4.61%	4.31%	5.90%	7.15%	8.42%	4.87%	3.56%	4.27%	4.86%	5.57%	3.20%	1.12%	
Red Flag Computation 10	1,012	64	34	43	80	135	169	120	89	83	108	67	17	3	0
	2.71%	3.64%	1.33%	1.52%	2.36%	3.17%	3.54%	3.52%	2.94%	3.08%	3.65%	2.33%	0.73%	0.56%	
Red Flag Computation 11	1,012	64	34	43	80	135	169	120	89	83	108	67	17	3	0
	2.71%	3.64%	1.33%	1.52%	2.36%	3.17%	3.54%	3.52%	2.94%	3.08%	3.65%	2.33%	0.73%	0.56%	
Red Flag Computation 12	1,360	17	9	51	131	107	180	160	133	94	117	209	139	13	0
	3.64%	0.97%	0.35%	1.80%	3.87%	2.52%	3.77%	4.69%	4.39%	3.49%	3.95%	7.27%	6.01%	2.43%	
Red Flag Computation 13	2,343	86	94	193	284	312	447	430	169	36	69	132	73	18	0
	6.27%	4.89%	3.67%	6.82%	8.39%	7.34%	9.36%	12.60%	5.58%	1.34%	2.33%	4.59%	3.16%	3.36%	
Red Flag Computation 14	544	55	103	89	113	18	53	43	56	14	0	0	0	0	0
	1.46%	3.13%	4.03%	3.14%	3.34%	0.42%	1.11%	1.26%	1.85%	0.52%	0.00%	0.00%	0.00%	0.00%	
Red Flag Computation 15	12,094	476	848	1,013	1,212	1,428	1,450	998	1,114	958	946	834	674	143	0
	32.36%	27.09%	33.14%	35.78%	35.78%	33.58%	30.35%	29.25%	36.77%	35.59%	31.96%	29.02%	29.14%	26.73%	
Red Flag Computation 16	6,852	582	824	900	1,007	1,041	970	458	315	202	196	161	143	53	0
	18.33%	33.12%	32.20%	31.79%	29.73%	24.48%	20.31%	13.42%	10.40%	7.50%	6.62%	5.60%	6.18%	9.91%	
Flagged for Any of the Red Flag Computation 1-16	49,243	2,420	3,486	3,682	4,349	5,405	5,958	4,455	3,992	3,606	4,095	4,010	3,096	689	0
	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	

Notes

Defendant	Date Range
CVS	January 1, 2006 to November 29, 2019
Giant Eagle/HBC	January 1, 2006 to December 3, 2019
Rite Aid	January 1, 2006 to November 19, 2019
Walgreens	January 3, 2006 to January 3, 2020
Wal-Mart	January 2, 2006 to April 25, 2018

CONFIDENTIAL – SUBJECT TO PROTECTIVE ORDER

Wal-Mart Combination Red Flagged Prescriptions Summary
Lake County and Trumbull County, OH
Red Flag Computation 1-16, in Dosage Units

	Total	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Total Dosage Units of Combination Red Flagged Prescriptions	3,841,808	193,335	270,139	285,120	336,256	413,785	463,911	345,528	326,956	279,203	320,295	313,575	242,092	51,613	0
Total Dosage Units of Combination Red Flagged Opioid Prescriptions	3,095,143	148,432	205,008	230,593	278,260	344,160	392,267	281,721	266,289	224,058	248,076	241,567	192,184	42,528	0
Red Flag Computation 1	195,733	3,580	7,893	14,184	13,881	16,184	20,532	20,575	23,233	17,901	20,297	18,737	14,709	4,027	0
	6.32%	2.41%	3.85%	6.15%	4.99%	4.70%	5.23%	7.30%	8.72%	7.99%	8.18%	7.76%	7.65%	9.47%	
Red Flag Computation 2	883,446	22,779	43,349	49,254	72,801	119,695	164,874	86,962	66,386	63,482	67,330	61,029	52,327	13,178	0
	28.54%	15.35%	21.15%	21.36%	26.16%	34.78%	42.03%	30.87%	24.93%	28.33%	27.14%	25.26%	27.23%	30.99%	
Red Flag Computation 3	371,414	20,062	25,211	29,706	31,949	44,469	39,155	32,695	33,118	27,582	35,293	29,200	18,271	4,703	0
	12.00%	13.52%	12.30%	12.88%	11.48%	12.92%	9.98%	11.61%	12.44%	12.31%	14.23%	12.09%	9.51%	11.06%	
Red Flag Computation 4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	
Red Flag Computation 5	638,284	38,000	60,911	53,155	66,971	71,604	69,629	62,648	45,351	43,976	48,632	43,932	28,053	5,422	0
	16.61%	19.66%	22.55%	18.64%	19.92%	17.30%	15.01%	18.13%	13.87%	15.75%	15.18%	14.01%	11.59%	10.51%	
Red Flag Computation 6	197,681	14,139	20,857	20,801	22,844	19,234	20,855	22,591	9,317	13,447	13,356	13,850	5,520	870	0
	5.15%	7.31%	7.72%	7.30%	6.79%	4.65%	4.50%	6.54%	2.85%	4.82%	4.17%	4.42%	2.28%	1.69%	
Red Flag Computation 7	2,029,599	105,200	146,759	136,558	155,787	189,862	197,315	174,653	178,025	159,563	207,661	204,890	145,782	27,544	0
	52.83%	54.41%	54.33%	47.89%	46.33%	45.88%	42.53%	50.55%	54.45%	57.15%	64.83%	65.34%	60.22%	53.37%	
Red Flag Computation 8	1,418,171	77,216	106,190	91,325	93,387	117,939	123,005	117,288	129,024	117,458	157,145	154,331	114,129	19,734	0
	36.91%	39.94%	39.31%	32.03%	27.77%	28.50%	26.51%	33.94%	39.46%	42.07%	49.06%	49.22%	47.14%	38.23%	
Red Flag Computation 9	187,701	7,050	11,578	10,654	19,575	30,715	40,462	17,610	11,042	7,941	10,203	13,772	6,739	360	0
	6.06%	4.75%	5.65%	4.62%	7.03%	8.92%	10.31%	6.25%	4.15%	3.54%	4.11%	5.70%	3.51%	0.85%	
Red Flag Computation 10	111,989	9,594	2,963	2,298	6,037	14,952	23,769	14,279	9,994	7,419	11,602	7,818	942	322	0
	3.62%	6.46%	1.45%	1.00%	2.17%	4.34%	6.06%	5.07%	3.75%	3.31%	4.68%	3.24%	0.49%	0.76%	
Red Flag Computation 11	111,989	9,594	2,963	2,298	6,037	14,952	23,769	14,279	9,994	7,419	11,602	7,818	942	322	0
	3.62%	6.46%	1.45%	1.00%	2.17%	4.34%	6.06%	5.07%	3.75%	3.31%	4.68%	3.24%	0.49%	0.76%	
Red Flag Computation 12	166,432	1,104	1,652	5,952	19,966	15,802	17,740	16,002	17,300	14,697	15,650	22,955	16,180	1,432	0
	5.38%	0.74%	0.81%	2.58%	7.18%	4.59%	4.52%	5.68%	6.50%	6.56%	6.31%	9.50%	8.42%	3.37%	
Red Flag Computation 13	253,217	8,479	10,137	22,995	37,995	38,973	38,635	39,293	16,684	6,206	8,821	14,735	8,144	2,120	0
	8.18%	5.71%	4.94%	9.97%	13.65%	11.32%	9.85%	13.95%	6.27%	2.77%	3.56%	6.10%	4.24%	4.98%	
Red Flag Computation 14	57,159	5,534	11,500	9,334	11,093	2,210	5,521	4,255	6,022	1,690	0	0	0	0	0
	1.85%	3.73%	5.61%	4.05%	3.99%	0.64%	1.41%	1.51%	2.26%	0.75%	0.00%	0.00%	0.00%	0.00%	
Red Flag Computation 15	1,149,381	48,777	79,796	93,738	117,909	136,516	150,103	101,673	106,540	85,294	86,704	72,253	57,963	12,115	0
	37.13%	32.86%	38.92%	40.65%	42.37%	39.67%	38.27%	36.09%	40.01%	38.07%	34.95%	29.91%	30.16%	28.49%	
Red Flag Computation 16	497,414	51,957	63,747	71,255	83,212	77,087	67,083	26,308	16,634	9,691	10,500	8,400	8,112	3,428	0
	16.07%	35.00%	31.09%	30.90%	29.90%	22.40%	17.10%	9.34%	6.25%	4.33%	4.23%	3.48%	4.22%	8.06%	
Flagged for Any of the Red Flag Computation 1-16	3,841,808	193,335	270,139	285,120	336,256	413,785	463,911	345,528	326,956	279,203	320,295	313,575	242,092	51,613	0
	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	

Notes

Defendant	Date Range
CVS	January 1, 2006 to November 29, 2019
Giant Eagle/HBC	January 1, 2006 to December 3, 2019
Rite Aid	January 1, 2006 to November 19, 2019
Walgreens	January 3, 2006 to January 3, 2020
Wal-Mart	January 2, 2006 to April 25, 2018

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Wal-Mart Combination Red Flagged Prescriptions Summary
Lake County and Trumbull County, OH
Red Flag Computation 1-16, in MME

	Total	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Total MME of Combination Red Flagged Prescriptions	43,712,040	2,493,986	2,588,052	2,887,619	3,550,582	4,764,199	5,674,784	4,169,253	4,022,894	3,174,870	3,769,562	3,423,587	2,636,566	556,086	0
Total MME of Combination Red Flagged Opioid Prescriptions	43,712,040	2,493,986	2,588,052	2,887,619	3,550,582	4,764,199	5,674,784	4,169,253	4,022,894	3,174,870	3,769,562	3,423,587	2,636,566	556,086	0
Red Flag Computation 1	3,330,046	68,935	128,503	195,303	247,608	263,838	258,700	261,607	373,500	359,743	449,914	389,205	251,775	81,418	0
	7.62%	2.76%	4.97%	6.76%	6.97%	5.54%	4.56%	6.27%	9.28%	11.33%	11.94%	11.37%	9.55%	14.64%	
Red Flag Computation 2	13,551,714	279,762	585,187	594,207	1,026,401	1,835,759	2,653,873	1,315,507	1,007,999	1,166,964	1,198,339	947,382	754,352	185,984	0
	31.00%	11.22%	22.61%	20.58%	28.91%	38.53%	46.77%	31.55%	25.06%	36.76%	31.79%	27.67%	28.61%	33.45%	
Red Flag Computation 3	5,347,638	298,437	376,461	455,897	472,815	700,854	540,692	507,973	401,072	344,763	501,294	425,555	265,856	55,970	0
	12.23%	11.97%	14.55%	15.79%	13.32%	14.71%	9.53%	12.18%	9.97%	10.86%	13.30%	12.43%	10.08%	10.06%	
Red Flag Computation 4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	
Red Flag Computation 5	6,203,932	478,160	457,425	427,514	609,711	684,519	627,475	786,265	471,818	374,869	535,226	454,726	259,820	36,407	0
	14.19%	19.17%	17.67%	14.81%	17.17%	14.37%	11.06%	18.86%	11.73%	11.81%	14.20%	13.28%	9.85%	6.55%	
Red Flag Computation 6	1,226,354	104,603	125,190	126,643	136,968	129,846	112,085	154,138	80,115	72,255	73,545	70,768	35,100	5,100	0
	2.81%	4.19%	4.84%	4.39%	3.86%	2.73%	1.98%	3.70%	1.99%	2.28%	1.95%	2.07%	1.33%	0.92%	
Red Flag Computation 7	20,478,627	1,131,437	1,221,315	1,199,193	1,572,909	2,067,550	2,008,993	1,966,954	1,847,696	1,579,446	2,311,938	2,030,619	1,307,502	233,076	0
	46.85%	45.37%	47.19%	41.53%	44.30%	43.40%	35.40%	47.18%	45.93%	49.75%	61.33%	59.31%	49.59%	41.91%	
Red Flag Computation 8	11,259,004	611,413	739,264	690,749	694,706	930,743	907,235	962,789	1,149,951	965,235	1,399,685	1,184,468	879,073	143,698	0
	25.76%	24.52%	28.56%	23.92%	19.57%	19.54%	15.99%	23.09%	28.59%	30.40%	37.13%	34.60%	33.34%	25.84%	
Red Flag Computation 9	3,285,379	88,260	150,901	144,958	252,355	528,829	781,899	343,909	213,510	161,271	188,028	280,885	145,625	4,950	0
	7.52%	3.54%	5.83%	5.02%	7.11%	11.10%	13.78%	8.25%	5.31%	5.08%	4.99%	8.20%	5.52%	0.89%	
Red Flag Computation 10	6,883,380	857,220	223,380	310,020	464,925	724,935	1,196,380	858,355	706,795	474,240	625,470	354,690	65,850	21,120	0
	15.75%	34.37%	8.63%	10.74%	13.09%	15.22%	21.08%	20.59%	17.57%	14.94%	16.59%	10.36%	2.50%	3.80%	
Red Flag Computation 11	6,883,380	857,220	223,380	310,020	464,925	724,935	1,196,380	858,355	706,795	474,240	625,470	354,690	65,850	21,120	0
	15.75%	34.37%	8.63%	10.74%	13.09%	15.22%	21.08%	20.59%	17.57%	14.94%	16.59%	10.36%	2.50%	3.80%	
Red Flag Computation 12	1,563,254	8,700	12,390	44,773	150,098	118,830	149,585	124,978	176,600	119,558	172,148	274,975	196,340	14,280	0
	3.58%	0.35%	0.48%	1.55%	4.23%	2.49%	2.64%	3.00%	4.39%	3.77%	4.57%	8.03%	7.45%	2.57%	
Red Flag Computation 13	2,226,791	66,615	75,248	170,543	280,940	304,060	340,180	372,696	161,988	50,425	98,863	182,125	97,610	25,500	0
	5.09%	2.67%	2.91%	5.91%	7.91%	6.38%	5.99%	8.94%	4.03%	1.59%	2.62%	5.32%	3.70%	4.59%	
Red Flag Computation 14	379,758	35,365	75,955	60,640	72,093	12,325	37,648	28,748	45,535	11,450	0	0	0	0	0
	0.87%	1.42%	2.93%	2.10%	2.03%	0.26%	0.66%	0.69%	1.13%	0.36%	0.00%	0.00%	0.00%	0.00%	
Red Flag Computation 15	22,216,663	1,314,651	1,302,544	1,504,344	1,927,404	2,500,664	2,889,328	2,024,333	2,130,116	1,677,141	1,962,153	1,617,710	1,151,482	214,795	0
	50.83%	52.71%	50.33%	52.10%	54.28%	52.49%	50.92%	48.55%	52.95%	52.83%	52.05%	47.25%	43.67%	38.63%	
Red Flag Computation 16	5,426,398	556,403	589,076	684,273	731,745	848,764	825,421	356,481	219,001	129,453	192,793	147,245	100,675	45,070	0
	12.41%	22.31%	22.76%	23.70%	20.61%	17.82%	14.55%	8.55%	5.44%	4.08%	5.11%	4.30%	3.82%	8.10%	
Flagged for Any of the Red Flag Computation 1-16	43,712,040	2,493,986	2,588,052	2,887,619	3,550,582	4,764,199	5,674,784	4,169,253	4,022,894	3,174,870	3,769,562	3,423,587	2,636,566	556,086	0
	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	

Notes

Defendant	Date Range
CVS	January 1, 2006 to November 29, 2019
Giant Eagle/HBC	January 1, 2006 to December 3, 2019
Rite Aid	January 1, 2006 to November 19, 2019
Walgreens	January 3, 2006 to January 3, 2020
Wal-Mart	January 2, 2006 to April 25, 2018

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Wal-Mart Combination Red Flagged Prescriptions Summary
Lake County, OH
Red Flag Computation 1-16, in # of Prescriptions

	Total	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Total # of Combination Red Flagged Prescriptions	33,770	1,685	2,550	2,798	3,427	3,996	4,704	3,453	2,807	2,250	2,256	1,870	1,566	408	0
Total # of Combination Red Flagged Opioid Prescriptions	26,709	1,259	1,912	2,224	2,743	3,229	3,865	2,697	2,194	1,770	1,749	1,442	1,290	335	0
Red Flag Computation 1	1,844	43	105	151	134	158	181	211	194	159	185	171	125	27	0
	6.90%	3.42%	5.49%	6.79%	4.89%	4.89%	4.68%	7.82%	8.84%	8.98%	10.58%	11.86%	9.69%	8.06%	
Red Flag Computation 2	9,116	260	536	578	808	1,181	1,721	937	579	620	674	584	523	115	0
	34.13%	20.65%	28.03%	25.99%	29.46%	36.57%	44.53%	34.74%	26.39%	35.03%	38.54%	40.50%	40.54%	34.33%	
Red Flag Computation 3	3,548	183	253	328	368	430	435	337	302	244	258	199	159	52	0
	13.28%	14.54%	13.23%	14.75%	13.42%	13.32%	11.25%	12.50%	13.76%	13.79%	14.75%	13.80%	12.33%	15.52%	
Red Flag Computation 4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	
Red Flag Computation 5	5,732	371	555	512	674	782	704	665	446	321	332	238	103	29	0
	16.97%	22.02%	21.76%	18.30%	19.67%	19.57%	14.97%	19.26%	15.89%	14.27%	14.72%	12.73%	6.58%	7.11%	
Red Flag Computation 6	1,651	148	176	189	206	172	197	261	106	93	56	35	9	3	0
	4.89%	8.78%	6.90%	6.75%	6.01%	4.30%	4.19%	7.56%	3.78%	4.13%	2.48%	1.87%	0.57%	0.74%	
Red Flag Computation 7	16,519	838	1,299	1,293	1,643	1,867	1,945	1,672	1,501	1,179	1,279	1,049	753	201	0
	48.92%	49.73%	50.94%	46.21%	47.94%	46.72%	41.35%	48.42%	53.47%	52.40%	56.69%	56.10%	48.08%	49.26%	
Red Flag Computation 8	10,502	567	893	816	939	1,074	1,167	1,083	1,008	785	844	694	500	132	0
	31.10%	33.65%	35.02%	29.16%	27.40%	26.88%	24.81%	31.36%	35.91%	34.89%	37.41%	37.11%	31.93%	32.35%	
Red Flag Computation 9	1,653	32	79	112	187	280	385	160	81	103	97	84	49	4	0
	6.19%	2.54%	4.13%	5.04%	6.82%	8.67%	9.96%	5.93%	3.69%	5.82%	5.55%	5.83%	3.80%	1.19%	
Red Flag Computation 10	905	55	28	30	73	128	157	113	63	76	104	60	16	2	0
	3.39%	4.37%	1.46%	1.35%	2.66%	3.96%	4.06%	4.19%	2.87%	4.29%	5.95%	4.16%	1.24%	0.60%	
Red Flag Computation 11	905	55	28	30	73	128	157	113	63	76	104	60	16	2	0
	3.39%	4.37%	1.46%	1.35%	2.66%	3.96%	4.06%	4.19%	2.87%	4.29%	5.95%	4.16%	1.24%	0.60%	
Red Flag Computation 12	967	17	9	47	131	103	180	160	133	79	37	27	34	10	0
	3.62%	1.35%	0.47%	2.11%	4.78%	3.19%	4.66%	5.93%	6.06%	4.46%	2.12%	1.87%	2.64%	2.99%	
Red Flag Computation 13	2,020	83	79	180	281	293	431	415	167	28	23	7	21	12	0
	7.56%	6.59%	4.13%	8.09%	10.24%	9.07%	11.15%	15.39%	7.61%	1.58%	1.32%	0.49%	1.63%	3.58%	
Red Flag Computation 14	433	43	81	76	96	15	43	33	37	9	0	0	0	0	0
	1.62%	3.42%	4.24%	3.42%	3.50%	0.46%	1.11%	1.22%	1.69%	0.51%	0.00%	0.00%	0.00%	0.00%	
Red Flag Computation 15	10,072	363	674	891	1,100	1,307	1,336	860	894	769	691	559	508	120	0
	37.71%	28.83%	35.25%	40.06%	40.10%	40.48%	34.57%	31.89%	40.75%	43.45%	39.51%	38.77%	39.38%	35.82%	
Red Flag Computation 16	5,028	395	551	690	829	802	727	335	215	128	130	115	79	32	0
	18.83%	31.37%	28.82%	31.03%	30.22%	24.84%	18.81%	12.42%	9.80%	7.23%	7.43%	7.98%	6.12%	9.55%	
Flagged for Any of the Red Flag Computation 1-16	33,770	1,685	2,550	2,798	3,427	3,996	4,704	3,453	2,807	2,250	2,256	1,870	1,566	408	0
	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	

Notes

Defendant	Date Range
CVS	January 1, 2006 to November 29, 2019
Giant Eagle/HBC	January 1, 2006 to December 3, 2019
Rite Aid	January 1, 2006 to November 19, 2019
Walgreens	January 3, 2006 to January 3, 2020
Wal-Mart	January 2, 2006 to April 25, 2018

CONFIDENTIAL – SUBJECT TO PROTECTIVE ORDER

Wal-Mart Combination Red Flagged Prescriptions Summary
Lake County, OH
Red Flag Computation 1-16, in Dosage Units

	Total	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Total Dosage Units of Combination Red Flagged Prescriptions	2,624,923	134,001	195,329	222,413	272,091	316,582	375,016	274,286	231,256	169,528	163,704	130,820	110,109	29,788	0
Total Dosage Units of Combination Red Flagged Opioid Prescriptions	2,202,270	105,817	153,247	186,226	231,092	269,774	324,309	228,361	192,859	142,328	136,906	108,870	96,348	26,133	0
Red Flag Computation 1	146,742	2,000	6,355	11,850	11,296	12,358	15,622	17,365	18,097	13,438	13,789	11,566	10,537	2,469	0
	6.66%	1.89%	4.15%	6.36%	4.89%	4.58%	4.82%	7.60%	9.38%	9.44%	10.07%	10.62%	10.94%	9.45%	
Red Flag Computation 2	662,271	12,678	34,801	40,638	60,283	90,611	138,389	70,268	48,419	42,825	43,464	37,092	34,623	8,180	0
	30.07%	11.98%	22.71%	21.82%	26.09%	33.59%	42.67%	30.77%	25.11%	30.09%	31.75%	34.07%	35.94%	31.30%	
Red Flag Computation 3	247,370	11,843	16,670	22,414	26,500	31,951	30,924	22,824	21,379	15,848	18,370	13,762	11,387	3,498	0
	11.23%	11.19%	10.88%	12.04%	11.47%	11.84%	9.54%	9.99%	11.09%	11.13%	13.42%	12.64%	11.82%	13.39%	
Red Flag Computation 4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	
Red Flag Computation 5	467,557	32,648	48,188	42,670	53,972	56,494	56,162	53,933	38,041	29,528	27,165	18,071	8,325	2,360	0
	17.81%	24.36%	24.67%	19.19%	19.84%	17.84%	14.98%	19.66%	16.45%	17.42%	16.59%	13.81%	7.56%	7.92%	
Red Flag Computation 6	129,308	11,656	13,987	15,147	16,705	12,939	14,090	20,626	8,649	7,891	3,884	2,894	750	90	0
	4.93%	8.70%	7.16%	6.81%	6.14%	4.09%	3.76%	7.52%	3.74%	4.65%	2.37%	2.21%	0.68%	0.30%	
Red Flag Computation 7	1,225,324	64,596	97,236	97,895	118,226	137,904	149,202	131,613	115,947	85,317	90,801	73,121	49,680	13,786	0
	46.68%	48.21%	49.78%	44.01%	43.45%	43.56%	39.79%	47.98%	50.14%	50.33%	55.47%	55.89%	45.12%	46.28%	
Red Flag Computation 8	751,203	41,295	63,740	59,592	63,162	76,578	83,412	83,838	78,513	54,890	56,486	47,013	34,066	8,618	0
	28.62%	30.82%	32.63%	26.79%	23.21%	24.19%	22.24%	30.57%	33.95%	32.38%	34.50%	35.94%	30.94%	28.93%	
Red Flag Computation 9	160,098	2,600	7,113	10,087	18,557	28,793	39,636	17,174	8,066	7,319	7,237	8,304	4,972	240	0
	7.27%	2.46%	4.64%	5.42%	8.03%	10.67%	12.22%	7.52%	4.18%	5.14%	5.29%	7.63%	5.16%	0.92%	
Red Flag Computation 10	102,436	9,046	2,963	2,298	6,037	14,112	21,939	13,799	6,889	6,779	11,164	6,258	942	210	0
	4.65%	8.55%	1.93%	1.23%	2.61%	5.23%	6.76%	6.04%	3.57%	4.76%	8.15%	5.75%	0.98%	0.80%	
Red Flag Computation 11	102,436	9,046	2,963	2,298	6,037	14,112	21,939	13,799	6,889	6,779	11,164	6,258	942	210	0
	4.65%	8.55%	1.93%	1.23%	2.61%	5.23%	6.76%	6.04%	3.57%	4.76%	8.15%	5.75%	0.98%	0.80%	
Red Flag Computation 12	120,073	1,104	1,652	5,472	19,966	15,322	17,740	16,002	17,300	13,143	5,340	2,400	3,560	1,072	0
	5.45%	1.04%	1.08%	2.94%	8.64%	5.68%	5.47%	7.01%	8.97%	9.23%	3.90%	2.20%	3.69%	4.10%	
Red Flag Computation 13	220,325	8,299	9,361	21,465	37,755	37,918	37,599	38,847	16,444	5,462	3,111	720	1,944	1,400	0
	10.00%	7.84%	6.11%	11.53%	16.34%	14.06%	11.59%	17.01%	8.53%	3.84%	2.27%	0.66%	2.02%	5.36%	
Red Flag Computation 14	44,879	4,574	9,100	7,924	9,143	1,850	4,521	3,055	3,832	880	0	0	0	0	0
	2.04%	4.32%	5.94%	4.26%	3.96%	0.69%	1.39%	1.34%	1.99%	0.62%	0.00%	0.00%	0.00%	0.00%	
Red Flag Computation 15	952,382	37,111	63,811	84,085	107,431	123,574	137,366	87,875	81,919	66,200	64,270	48,631	40,290	9,819	0
	43.25%	35.07%	41.64%	45.15%	46.49%	45.81%	42.36%	38.48%	42.48%	46.51%	46.94%	44.67%	41.82%	37.57%	
Red Flag Computation 16	376,781	35,532	41,729	57,082	70,444	61,673	52,292	21,237	12,181	6,211	6,412	5,891	4,075	2,022	0
	17.11%	33.58%	27.23%	30.65%	30.48%	22.86%	16.12%	9.30%	6.32%	4.36%	4.68%	5.41%	4.23%	7.74%	
Flagged for Any of the Red Flag Computation 1-16	2,624,923	134,001	195,329	222,413	272,091	316,582	375,016	274,286	231,256	169,528	163,704	130,820	110,109	29,788	0
	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	

Notes

Defendant	Date Range
CVS	January 1, 2006 to November 29, 2019
Giant Eagle/HBC	January 1, 2006 to December 3, 2019
Rite Aid	January 1, 2006 to November 19, 2019
Walgreens	January 3, 2006 to January 3, 2020
Wal-Mart	January 2, 2006 to April 25, 2018

CONFIDENTIAL – SUBJECT TO PROTECTIVE ORDER

Wal-Mart Combination Red Flagged Prescriptions Summary
Lake County, OH
Red Flag Computation 1-16, in MME

	Total	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Total MME of Combination Red Flagged Prescriptions	33,549,932	2,038,425	2,056,280	2,394,201	3,069,720	4,019,810	5,027,370	3,578,018	3,003,267	2,259,638	2,438,862	1,827,629	1,481,710	355,003	0
Total MME of Combination Red Flagged Opioid Prescriptions	33,549,932	2,038,425	2,056,280	2,394,201	3,069,720	4,019,810	5,027,370	3,578,018	3,003,267	2,259,638	2,438,862	1,827,629	1,481,710	355,003	0
Red Flag Computation 1	2,837,310	57,235	116,626	178,048	230,258	230,553	216,343	226,403	327,770	318,535	370,162	304,303	200,630	60,448	0
	8.46%	2.81%	5.67%	7.44%	7.50%	5.74%	4.30%	6.33%	10.91%	14.10%	15.18%	16.65%	13.54%	17.03%	
Red Flag Computation 2	11,342,026	195,808	501,710	515,702	922,409	1,563,805	2,423,006	1,125,372	811,797	961,881	930,007	703,727	553,887	132,916	0
	33.81%	9.61%	24.40%	21.54%	30.05%	38.90%	48.20%	31.45%	27.03%	42.57%	38.13%	38.50%	37.38%	37.44%	
Red Flag Computation 3	3,636,724	174,349	242,273	311,112	376,995	522,274	456,328	352,475	266,317	196,577	284,544	209,320	201,906	42,255	0
	10.84%	8.55%	11.78%	12.99%	12.28%	12.99%	9.08%	9.85%	8.87%	8.70%	11.67%	11.45%	13.63%	11.90%	
Red Flag Computation 4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	
Red Flag Computation 5	5,151,512	414,145	404,180	377,064	545,204	617,504	558,672	743,740	398,205	278,604	406,919	274,954	116,355	15,969	0
	15.35%	20.32%	19.66%	15.75%	17.76%	15.36%	11.11%	20.79%	13.26%	12.33%	16.68%	15.04%	7.85%	4.50%	
Red Flag Computation 6	927,691	96,863	103,815	104,668	113,650	110,234	90,823	147,988	68,865	41,775	27,270	16,643	4,950	150	0
	2.77%	4.75%	5.05%	4.37%	3.70%	2.74%	1.81%	4.14%	2.29%	1.85%	1.12%	0.91%	0.33%	0.04%	
Red Flag Computation 7	14,468,551	839,042	950,452	974,223	1,331,166	1,682,527	1,671,596	1,659,197	1,253,653	1,046,443	1,392,187	980,531	568,903	118,631	0
	43.13%	41.16%	46.22%	40.69%	43.36%	41.86%	33.25%	46.37%	41.74%	46.31%	57.08%	53.65%	38.40%	33.42%	
Red Flag Computation 8	6,849,852	363,890	538,214	529,631	522,956	674,193	655,312	757,695	697,496	573,538	716,535	448,841	314,210	57,343	0
	20.42%	17.85%	26.17%	22.12%	17.04%	16.77%	13.03%	21.18%	23.22%	25.38%	29.38%	24.56%	21.21%	16.15%	
Red Flag Computation 9	2,937,277	53,760	117,333	141,050	239,155	502,504	775,324	336,379	152,355	153,645	147,493	196,855	118,725	2,700	0
	8.75%	2.64%	5.71%	5.89%	7.79%	12.50%	15.42%	9.40%	5.07%	6.80%	6.05%	10.77%	8.01%	0.76%	
Red Flag Computation 10	6,063,120	793,710	180,180	215,700	414,525	670,935	1,108,630	790,555	470,095	442,590	595,410	301,140	65,250	14,400	0
	18.07%	38.94%	8.76%	9.01%	13.50%	16.69%	22.05%	22.09%	15.65%	19.59%	24.41%	16.48%	4.40%	4.06%	
Red Flag Computation 11	6,063,120	793,710	180,180	215,700	414,525	670,935	1,108,630	790,555	470,095	442,590	595,410	301,140	65,250	14,400	0
	18.07%	38.94%	8.76%	9.01%	13.50%	16.69%	22.05%	22.09%	15.65%	19.59%	24.41%	16.48%	4.40%	4.06%	
Red Flag Computation 12	978,809	8,700	12,390	39,973	150,098	114,030	149,585	124,978	176,600	100,388	43,448	18,000	31,740	8,880	0
	2.92%	0.43%	0.60%	1.67%	4.89%	2.84%	2.98%	3.49%	5.88%	4.44%	1.78%	0.98%	2.14%	2.50%	
Red Flag Computation 13	1,831,456	65,265	68,323	157,793	279,140	294,185	332,920	369,566	158,388	41,805	26,813	5,400	17,160	14,700	0
	5.46%	3.20%	3.32%	6.59%	9.09%	7.32%	6.62%	10.33%	5.27%	1.85%	1.10%	0.30%	1.16%	4.14%	
Red Flag Computation 14	284,883	28,090	58,930	49,990	54,993	10,225	30,898	18,398	28,585	4,775	0	0	0	0	0
	0.85%	1.38%	2.87%	2.09%	1.79%	0.25%	0.61%	0.51%	0.95%	0.21%	0.00%	0.00%	0.00%	0.00%	
Red Flag Computation 15	19,081,620	1,136,391	1,074,444	1,312,104	1,772,794	2,335,606	2,714,769	1,788,552	1,645,706	1,406,296	1,608,032	1,223,798	884,527	178,602	0
	56.88%	55.75%	52.25%	54.80%	57.75%	58.10%	54.00%	49.99%	54.80%	62.24%	65.93%	66.96%	59.70%	50.31%	
Red Flag Computation 16	4,416,541	423,433	411,959	561,883	639,328	724,006	703,981	312,803	178,831	97,603	148,298	125,618	58,620	30,180	0
	13.16%	20.77%	20.03%	23.47%	20.83%	18.01%	14.00%	8.74%	5.95%	4.32%	6.08%	6.87%	3.96%	8.50%	
Flagged for Any of the Red Flag Computation 1-16	33,549,932	2,038,425	2,056,280	2,394,201	3,069,720	4,019,810	5,027,370	3,578,018	3,003,267	2,259,638	2,438,862	1,827,629	1,481,710	355,003	0
	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	

Notes

Defendant	Date Range
CVS	January 1, 2006 to November 29, 2019
Giant Eagle/HBC	January 1, 2006 to December 3, 2019
Rite Aid	January 1, 2006 to November 19, 2019
Walgreens	January 3, 2006 to January 3, 2020
Wal-Mart	January 2, 2006 to April 25, 2018

CONFIDENTIAL – SUBJECT TO PROTECTIVE ORDER

Wal-Mart Combination Red Flagged Prescriptions Summary
Trumbull County, OH
Red Flag Computation 1-16, in # of Prescriptions

	Total	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Total # of Combination Red Flagged Prescriptions	15,473	735	936	884	922	1,409	1,254	1,002	1,185	1,356	1,839	2,140	1,530	281	0
Total # of Combination Red Flagged Opioid Prescriptions	10,670	498	647	607	644	1,023	912	715	836	922	1,211	1,432	1,023	200	0
Red Flag Computation 1	565	19	20	28	36	47	65	42	56	52	66	70	48	16	0
	5.30%	3.82%	3.09%	4.61%	5.59%	4.59%	7.13%	5.87%	6.70%	5.64%	5.45%	4.89%	4.69%	8.00%	
Red Flag Computation 2	3,194	129	120	131	215	459	426	253	219	278	323	317	249	75	0
	29.93%	25.90%	18.55%	21.58%	33.39%	44.87%	46.71%	35.38%	26.20%	30.15%	26.67%	22.14%	24.34%	37.50%	
Red Flag Computation 3	1,681	99	123	109	78	167	126	139	145	149	221	198	106	21	0
	15.75%	19.88%	19.01%	17.96%	12.11%	16.32%	13.82%	19.44%	17.34%	16.16%	18.25%	13.83%	10.36%	10.50%	
Red Flag Computation 4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	
Red Flag Computation 5	2,003	68	126	135	173	202	164	114	93	184	231	280	202	31	0
	12.95%	9.25%	13.46%	15.27%	18.76%	14.34%	13.08%	11.38%	7.85%	13.57%	12.56%	13.08%	13.20%	11.03%	
Red Flag Computation 6	816	24	63	61	81	93	88	27	12	80	110	110	58	9	0
	5.27%	3.27%	6.73%	6.90%	8.79%	6.60%	7.02%	2.69%	1.01%	5.90%	5.98%	5.14%	3.79%	3.20%	
Red Flag Computation 7	9,908	494	585	532	537	796	679	582	759	884	1,306	1,516	1,071	167	0
	64.03%	67.21%	62.50%	60.18%	58.24%	56.49%	54.15%	58.08%	64.05%	65.19%	71.02%	70.84%	70.00%	59.43%	
Red Flag Computation 8	8,144	432	489	437	432	606	555	455	619	744	1,114	1,225	898	138	0
	52.63%	58.78%	52.24%	49.43%	46.85%	43.01%	44.26%	45.41%	52.24%	54.87%	60.58%	57.24%	58.69%	49.11%	
Red Flag Computation 9	328	30	39	10	13	24	17	6	27	12	47	76	25	2	0
	3.07%	6.02%	6.03%	1.65%	2.02%	2.35%	1.86%	0.84%	3.23%	1.30%	3.88%	5.31%	2.44%	1.00%	
Red Flag Computation 10	107	9	6	13	7	7	12	7	26	7	4	7	1	1	0
	1.00%	1.81%	0.93%	2.14%	1.09%	0.68%	1.32%	0.98%	3.11%	0.76%	0.33%	0.49%	0.10%	0.50%	
Red Flag Computation 11	107	9	6	13	7	7	12	7	26	7	4	7	1	1	0
	1.00%	1.81%	0.93%	2.14%	1.09%	0.68%	1.32%	0.98%	3.11%	0.76%	0.33%	0.49%	0.10%	0.50%	
Red Flag Computation 12	393	0	0	4	0	4	0	0	0	15	80	182	105	3	0
	3.68%	0.00%	0.00%	0.66%	0.00%	0.39%	0.00%	0.00%	0.00%	1.63%	6.61%	12.71%	10.26%	1.50%	
Red Flag Computation 13	323	3	15	13	3	19	16	15	2	8	46	125	52	6	0
	3.03%	0.60%	2.32%	2.14%	0.47%	1.86%	1.75%	2.10%	0.24%	0.87%	3.80%	8.73%	5.08%	3.00%	
Red Flag Computation 14	111	12	22	13	17	3	10	10	19	5	0	0	0	0	0
	1.04%	2.41%	3.40%	2.14%	2.64%	0.29%	1.10%	1.40%	2.27%	0.54%	0.00%	0.00%	0.00%	0.00%	
Red Flag Computation 15	2,022	113	174	122	112	121	114	138	220	189	255	275	166	23	0
	18.95%	22.69%	26.89%	20.10%	17.39%	11.83%	12.50%	19.30%	26.32%	20.50%	21.06%	19.20%	16.23%	11.50%	
Red Flag Computation 16	1,824	187	273	210	178	239	243	123	100	74	66	46	64	21	0
	17.09%	37.55%	42.19%	34.60%	27.64%	23.36%	26.64%	17.20%	11.96%	8.03%	5.45%	3.21%	6.26%	10.50%	
Flagged for Any of the Red Flag Computation 1-16	15,473	735	936	884	922	1,409	1,254	1,002	1,185	1,356	1,839	2,140	1,530	281	0
	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	

Notes

Defendant	Date Range
CVS	January 1, 2006 to November 29, 2019
Giant Eagle/HBC	January 1, 2006 to December 3, 2019
Rite Aid	January 1, 2006 to November 19, 2019
Walgreens	January 3, 2006 to January 3, 2020
Wal-Mart	January 2, 2006 to April 25, 2018

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Wal-Mart Combination Red Flagged Prescriptions Summary
Trumbull County, OH
Red Flag Computation 1-16, in Dosage Units

	Total	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Total Dosage Units of Combination Red Flagged Prescriptions	1,216,885	59,334	74,810	62,707	64,165	97,203	88,895	71,242	95,700	109,675	156,591	182,755	131,983	21,825	0
Total Dosage Units of Combination Red Flagged Opioid Prescriptions	892,873	42,615	51,761	44,367	47,168	74,386	67,958	53,360	73,430	81,730	111,170	132,697	95,836	16,395	0
Red Flag Computation 1	48,991	1,580	1,538	2,334	2,585	3,826	4,910	3,210	5,136	4,463	6,508	7,171	4,172	1,558	0
	5.49%	3.71%	2.97%	5.26%	5.48%	5.14%	7.23%	6.02%	6.99%	5.46%	5.85%	5.40%	4.35%	9.50%	
Red Flag Computation 2	221,175	10,101	8,548	8,616	12,518	29,084	26,485	16,694	17,967	20,657	23,866	23,937	17,704	4,998	0
	24.77%	23.70%	16.51%	19.42%	26.54%	39.10%	38.97%	31.29%	24.47%	25.27%	21.47%	18.04%	18.47%	30.48%	
Red Flag Computation 3	124,044	8,219	8,541	7,292	5,449	12,518	8,231	9,871	11,739	11,734	16,923	15,438	6,884	1,205	0
	13.89%	19.29%	16.50%	16.44%	11.55%	16.83%	12.11%	18.50%	15.99%	14.36%	15.22%	11.63%	7.18%	7.35%	
Red Flag Computation 4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	
Red Flag Computation 5	170,727	5,352	12,723	10,485	12,999	15,110	13,467	8,715	7,310	14,448	21,467	25,861	19,728	3,062	0
	14.03%	9.02%	17.01%	16.72%	20.26%	15.54%	15.15%	12.23%	7.64%	13.17%	13.71%	14.15%	14.95%	14.03%	
Red Flag Computation 6	68,373	2,483	6,870	5,654	6,139	6,295	6,765	1,965	668	5,556	9,472	10,956	4,770	780	0
	5.62%	4.18%	9.18%	9.02%	9.57%	6.48%	7.61%	2.76%	0.70%	5.07%	6.05%	5.99%	3.61%	3.57%	
Red Flag Computation 7	804,275	40,604	49,523	38,663	37,561	51,958	48,113	43,040	62,078	74,246	116,860	131,769	96,102	13,758	0
	66.09%	68.43%	66.20%	61.66%	58.54%	53.45%	54.12%	60.41%	64.87%	67.70%	74.63%	72.10%	72.81%	63.04%	
Red Flag Computation 8	666,968	35,921	42,450	31,733	30,225	41,361	39,593	33,450	50,511	62,568	100,659	107,318	80,063	11,116	0
	54.81%	60.54%	56.74%	50.61%	47.11%	42.55%	44.54%	46.95%	52.78%	57.05%	64.28%	58.72%	60.66%	50.93%	
Red Flag Computation 9	27,603	4,450	4,465	567	1,018	1,922	826	436	2,976	622	2,966	5,468	1,767	120	0
	3.09%	10.44%	8.63%	1.28%	2.16%	2.58%	1.22%	0.82%	4.05%	0.76%	2.67%	4.12%	1.84%	0.73%	
Red Flag Computation 10	9,553	548	0	0	0	840	1,830	480	3,105	640	438	1,560	0	112	0
	1.07%	1.29%	0.00%	0.00%	0.00%	1.13%	2.69%	0.90%	4.23%	0.78%	0.39%	1.18%	0.00%	0.68%	
Red Flag Computation 11	9,553	548	0	0	0	840	1,830	480	3,105	640	438	1,560	0	112	0
	1.07%	1.29%	0.00%	0.00%	0.00%	1.13%	2.69%	0.90%	4.23%	0.78%	0.39%	1.18%	0.00%	0.68%	
Red Flag Computation 12	46,359	0	0	480	0	480	0	0	0	1,554	10,310	20,555	12,620	360	0
	5.19%	0.00%	0.00%	1.08%	0.00%	0.65%	0.00%	0.00%	0.00%	1.90%	9.27%	15.49%	13.17%	2.20%	
Red Flag Computation 13	32,892	180	776	1,530	240	1,055	1,036	446	240	744	5,710	14,015	6,200	720	0
	3.68%	0.42%	1.50%	3.45%	0.51%	1.42%	1.52%	0.84%	0.33%	0.91%	5.14%	10.56%	6.47%	4.39%	
Red Flag Computation 14	12,280	960	2,400	1,410	1,950	360	1,000	1,200	2,190	810	0	0	0	0	0
	1.38%	2.25%	4.64%	3.18%	4.13%	0.48%	1.47%	2.25%	2.98%	0.99%	0.00%	0.00%	0.00%	0.00%	
Red Flag Computation 15	196,999	11,666	15,985	9,653	10,478	12,942	12,737	13,798	24,621	19,094	22,434	23,622	17,673	2,296	0
	22.06%	27.38%	30.88%	21.76%	22.21%	17.40%	18.74%	25.86%	33.53%	23.36%	20.18%	17.80%	18.44%	14.00%	
Red Flag Computation 16	120,633	16,425	22,018	14,173	12,768	15,414	14,791	5,071	4,453	3,480	4,088	2,509	4,037	1,406	0
	13.51%	38.54%	42.54%	31.94%	27.07%	20.72%	21.76%	9.50%	6.06%	4.26%	3.68%	1.89%	4.21%	8.58%	
Flagged for Any of the Red Flag Computation 1-16	1,216,885	59,334	74,810	62,707	64,165	97,203	88,895	71,242	95,700	109,675	156,591	182,755	131,983	21,825	0
	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	

Notes

Defendant	Date Range
CVS	January 1, 2006 to November 29, 2019
Giant Eagle/HBC	January 1, 2006 to December 3, 2019
Rite Aid	January 1, 2006 to November 19, 2019
Walgreens	January 3, 2006 to January 3, 2020
Wal-Mart	January 2, 2006 to April 25, 2018

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Wal-Mart Combination Red Flagged Prescriptions Summary
Trumbull County, OH
Red Flag Computation 1-16, in MME

	Total	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Total MME of Combination Red Flagged Prescriptions	10,162,108	455,561	531,773	493,418	480,863	744,389	647,414	591,236	1,019,628	915,232	1,330,700	1,595,958	1,154,857	201,083	0
Total MME of Combination Red Flagged Opioid Prescriptions	10,162,108	455,561	531,773	493,418	480,863	744,389	647,414	591,236	1,019,628	915,232	1,330,700	1,595,958	1,154,857	201,083	0
Red Flag Computation 1	492,737	11,700	11,878	17,255	17,350	33,285	42,358	35,204	45,730	41,208	79,753	84,903	51,145	20,970	0
	4.85%	2.57%	2.23%	3.50%	3.61%	4.47%	6.54%	5.95%	4.48%	4.50%	5.99%	5.32%	4.43%	10.43%	
Red Flag Computation 2	2,209,689	83,954	83,478	78,505	103,993	271,954	230,867	190,135	196,203	205,083	268,333	243,655	200,465	53,068	0
	21.74%	18.43%	15.70%	15.91%	21.63%	36.53%	35.66%	32.16%	19.24%	22.41%	20.16%	15.27%	17.36%	26.39%	
Red Flag Computation 3	1,710,914	124,088	134,188	144,785	95,820	178,580	84,364	155,498	134,755	148,186	216,750	216,235	63,950	13,715	0
	16.84%	27.24%	25.23%	29.34%	19.93%	23.99%	13.03%	26.30%	13.22%	16.19%	16.29%	13.55%	5.54%	6.82%	
Red Flag Computation 4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	
Red Flag Computation 5	1,052,420	64,015	53,245	50,450	64,508	67,015	68,803	42,525	73,613	96,265	128,308	179,773	143,465	20,438	0
	10.36%	14.05%	10.01%	10.22%	13.41%	9.00%	10.63%	7.19%	7.22%	10.52%	9.64%	11.26%	12.42%	10.16%	
Red Flag Computation 6	298,663	7,740	21,375	21,975	23,318	19,613	21,263	6,150	11,250	30,480	46,275	54,125	30,150	4,950	0
	2.94%	1.70%	4.02%	4.45%	4.85%	2.63%	3.28%	1.04%	1.10%	3.33%	3.48%	3.39%	2.61%	2.46%	
Red Flag Computation 7	6,010,075	292,395	270,863	224,970	241,743	385,023	337,398	307,758	594,043	533,003	919,751	1,050,088	738,599	114,445	0
	59.14%	64.18%	50.94%	45.59%	50.27%	51.72%	52.11%	52.05%	58.26%	58.24%	69.12%	65.80%	63.96%	56.91%	
Red Flag Computation 8	4,409,152	247,523	201,050	161,118	171,750	256,550	251,923	205,094	452,455	391,698	683,150	735,626	564,863	86,355	0
	43.39%	54.33%	37.81%	32.65%	35.72%	34.46%	38.91%	34.69%	44.37%	42.80%	51.34%	46.09%	48.91%	42.95%	
Red Flag Computation 9	348,102	34,500	33,568	3,908	13,200	26,325	6,575	7,530	61,155	7,627	40,535	84,030	26,900	2,250	0
	3.43%	7.57%	6.31%	0.79%	2.75%	3.54%	1.02%	1.27%	6.00%	0.83%	3.05%	5.27%	2.33%	1.12%	
Red Flag Computation 10	820,260	63,510	43,200	94,320	50,400	54,000	87,750	67,800	236,700	31,650	30,060	53,550	600	6,720	0
	8.07%	13.94%	8.12%	19.12%	10.48%	7.25%	13.55%	11.47%	23.21%	3.46%	2.26%	3.36%	0.05%	3.34%	
Red Flag Computation 11	820,260	63,510	43,200	94,320	50,400	54,000	87,750	67,800	236,700	31,650	30,060	53,550	600	6,720	0
	8.07%	13.94%	8.12%	19.12%	10.48%	7.25%	13.55%	11.47%	23.21%	3.46%	2.26%	3.36%	0.05%	3.34%	
Red Flag Computation 12	584,445	0	0	4,800	0	4,800	0	0	0	19,170	128,700	256,975	164,600	5,400	0
	5.75%	0.00%	0.00%	0.97%	0.00%	0.64%	0.00%	0.00%	0.00%	2.09%	9.67%	16.10%	14.25%	2.69%	
Red Flag Computation 13	395,335	1,350	6,925	12,750	1,800	9,875	7,260	3,130	3,600	8,620	72,050	176,725	80,450	10,800	0
	3.89%	0.30%	1.30%	2.58%	0.37%	1.33%	1.12%	0.53%	0.35%	0.94%	5.41%	11.07%	6.97%	5.37%	
Red Flag Computation 14	94,875	7,275	17,025	10,650	17,100	2,100	6,750	10,350	16,950	6,675	0	0	0	0	0
	0.93%	1.60%	3.20%	2.16%	3.56%	0.28%	1.04%	1.75%	1.66%	0.73%	0.00%	0.00%	0.00%	0.00%	
Red Flag Computation 15	3,135,044	178,260	228,100	192,240	154,610	165,058	174,559	235,781	484,410	270,845	354,122	393,913	266,955	36,193	0
	30.85%	39.13%	42.89%	38.96%	32.15%	22.17%	26.96%	39.88%	47.51%	29.59%	26.61%	24.68%	23.12%	18.00%	
Red Flag Computation 16	1,009,858	132,970	177,118	122,390	92,418	124,758	121,440	43,678	40,170	31,850	44,495	21,628	42,055	14,890	0
	9.94%	29.19%	33.31%	24.80%	19.22%	16.76%	18.76%	7.39%	3.94%	3.48%	3.34%	1.36%	3.64%	7.40%	
Flagged for Any of the Red Flag Computation 1-16	10,162,108	455,561	531,773	493,418	480,863	744,389	647,414	591,236	1,019,628	915,232	1,330,700	1,595,958	1,154,857	201,083	0
	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	

Notes

Defendant	Date Range
CVS	January 1, 2006 to November 29, 2019
Giant Eagle/HBC	January 1, 2006 to December 3, 2019
Rite Aid	January 1, 2006 to November 19, 2019
Walgreens	January 3, 2006 to January 3, 2020
Wal-Mart	January 2, 2006 to April 25, 2018

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Walgreens Combination Red Flagged Prescriptions Summary
Lake County and Trumbull County, OH
Red Flag Computation 1-16, in # of Prescriptions

	Total	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Total # of Combination Red Flagged Prescriptions	226,843	4,923	14,098	16,319	18,354	21,907	23,594	20,121	17,982	16,675	19,623	18,218	14,174	11,323	9,532
Total # of Combination Red Flagged Opioid Prescriptions	175,609	3,905	11,164	13,032	14,342	16,896	18,185	15,390	13,744	12,777	15,257	14,028	10,805	8,679	7,405
Red Flag Computation 1	7,414	332	745	606	693	808	834	588	431	470	455	414	397	342	299
	4.22%	8.50%	6.67%	4.65%	4.83%	4.78%	4.59%	3.82%	3.14%	3.68%	2.98%	2.95%	3.67%	3.94%	4.04%
Red Flag Computation 2	37,066	1,113	2,713	2,674	2,881	3,410	3,653	3,135	2,845	2,837	3,229	2,908	2,202	1,811	1,655
	21.11%	28.50%	24.30%	20.52%	20.09%	20.18%	20.09%	20.37%	20.70%	22.20%	21.16%	20.73%	20.38%	20.87%	22.35%
Red Flag Computation 3	29,641	700	2,099	2,599	2,899	3,136	3,248	2,594	2,298	2,216	2,396	2,288	1,306	964	898
	16.88%	17.93%	18.80%	19.94%	20.21%	18.56%	17.86%	16.86%	16.72%	17.34%	15.70%	16.31%	12.09%	11.11%	12.13%
Red Flag Computation 4	20,385	609	1,442	1,715	1,954	2,116	2,115	1,844	2,139	1,555	1,725	1,334	869	616	352
	11.61%	15.60%	12.92%	13.16%	13.62%	12.52%	11.63%	11.98%	15.56%	12.17%	11.31%	9.51%	8.04%	7.10%	4.75%
Red Flag Computation 5	32,412	696	2,348	2,627	3,188	3,579	3,583	3,133	2,672	2,302	2,624	2,128	1,509	1,058	965
	14.29%	14.14%	16.65%	16.10%	17.37%	16.34%	15.19%	15.57%	14.86%	13.81%	13.37%	11.68%	10.65%	9.34%	10.12%
Red Flag Computation 6	8,901	201	813	844	1,080	994	1,007	971	640	582	621	443	291	194	220
	3.92%	4.08%	5.77%	5.17%	5.88%	4.54%	4.27%	4.83%	3.56%	3.49%	3.16%	2.43%	2.05%	1.71%	2.31%
Red Flag Computation 7	122,923	2,511	7,084	8,548	9,700	11,997	12,995	11,029	10,277	9,127	10,419	10,078	7,868	6,311	4,979
	54.19%	51.01%	50.25%	52.38%	52.85%	54.76%	55.08%	54.81%	57.15%	54.73%	53.10%	55.32%	55.51%	55.74%	52.23%
Red Flag Computation 8	82,719	1,522	4,380	5,091	6,092	7,924	8,816	7,675	6,888	6,292	6,987	6,991	5,757	4,661	3,643
	36.47%	30.92%	31.07%	31.20%	33.19%	36.17%	37.37%	38.14%	38.30%	37.73%	35.61%	38.37%	40.62%	41.16%	38.22%
Red Flag Computation 9	9,119	210	624	777	689	1,029	1,082	912	635	764	1,033	731	317	205	111
	5.19%	5.38%	5.59%	5.96%	4.80%	6.09%	5.95%	5.93%	4.62%	5.98%	6.77%	5.21%	2.93%	2.36%	1.50%
Red Flag Computation 10	15,135	234	765	1,245	1,185	1,625	2,110	1,780	879	683	633	538	301	212	2,945
	8.62%	5.99%	6.85%	9.55%	8.26%	9.62%	11.60%	11.57%	6.40%	5.35%	4.15%	3.84%	2.79%	2.44%	39.77%
Red Flag Computation 11	12,899	234	765	1,245	1,185	1,625	2,110	1,780	879	683	633	538	301	212	709
	7.35%	5.99%	6.85%	9.55%	8.26%	9.62%	11.60%	11.57%	6.40%	5.35%	4.15%	3.84%	2.79%	2.44%	9.57%
Red Flag Computation 12	27,230	218	532	638	1,152	1,830	2,718	2,319	1,618	1,893	3,608	3,594	3,177	2,345	1,588
	15.51%	5.58%	4.77%	4.90%	8.03%	10.83%	14.95%	15.07%	11.77%	14.82%	23.65%	25.62%	29.40%	27.02%	21.44%
Red Flag Computation 13	10,193	101	245	248	452	736	1,067	977	529	680	1,390	1,427	1,048	735	558
	5.80%	2.59%	2.19%	1.90%	3.15%	4.36%	5.87%	6.35%	3.85%	5.32%	9.11%	10.17%	9.70%	8.47%	7.54%
Red Flag Computation 14	2,224	116	264	319	337	364	367	222	165	70	0	0	0	0	0
	1.27%	2.97%	2.36%	2.45%	2.35%	2.15%	2.02%	1.44%	1.20%	0.55%	0.00%	0.00%	0.00%	0.00%	0.00%
Red Flag Computation 15	71,048	1,593	5,446	6,829	7,193	7,963	8,118	6,552	5,438	4,664	5,326	4,495	3,086	2,368	1,977
	40.46%	40.79%	48.78%	52.40%	50.15%	47.13%	44.64%	42.57%	39.57%	36.50%	34.91%	32.04%	28.56%	27.28%	26.70%
Red Flag Computation 16	8,772	499	1,181	1,188	918	951	954	710	647	381	361	214	264	332	172
	5.00%	12.78%	10.58%	9.12%	6.40%	5.63%	5.25%	4.61%	4.71%	2.98%	2.37%	1.53%	2.44%	3.83%	2.32%
Flagged for Any of the Red Flag Computation 1-16	226,843	4,923	14,098	16,319	18,354	21,907	23,594	20,121	17,982	16,675	19,623	18,218	14,174	11,323	9,532
	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%

Notes

Defendant	Date Range
CVS	January 1, 2006 to November 29, 2019
Giant Eagle/HBC	January 1, 2006 to December 3, 2019
Rite Aid	January 1, 2006 to November 19, 2019
Walgreens	January 3, 2006 to January 3, 2020
Wal-Mart	January 2, 2006 to April 25, 2018

CONFIDENTIAL – SUBJECT TO PROTECTIVE ORDER

Walgreens Combination Red Flagged Prescriptions Summary
Lake County and Trumbull County, OH
Red Flag Computation 1-16, in Dosage Units

	Total	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Total Dosage Units of Combination Red Flagged Prescriptions	17,670,525	336,702	1,002,134	1,237,532	1,468,405	1,758,286	1,926,999	1,658,293	1,371,438	1,273,278	1,508,615	1,406,854	1,121,622	886,026	714,341
Total Dosage Units of Combination Red Flagged Opioid Prescriptions	14,269,722	272,414	818,506	1,021,133	1,200,102	1,430,195	1,574,680	1,348,593	1,101,456	1,006,366	1,211,073	1,121,239	890,559	700,711	572,695
Red Flag Computation 1	600,521	22,642	47,241	43,292	62,833	75,974	76,113	55,787	34,597	36,635	32,608	27,293	33,394	27,453	24,659
	4.21%	8.31%	5.77%	4.24%	5.24%	5.31%	4.83%	4.14%	3.14%	3.64%	2.69%	2.43%	3.75%	3.92%	4.31%
Red Flag Computation 2	2,670,169	70,576	167,327	192,795	225,947	264,485	278,681	253,528	206,458	188,369	214,183	194,817	158,689	136,873	117,441
	18.71%	25.91%	20.44%	18.88%	18.83%	18.49%	17.70%	18.80%	18.74%	18.72%	17.69%	17.38%	17.82%	19.53%	20.51%
Red Flag Computation 3	1,989,891	41,543	131,243	169,607	206,325	227,781	225,658	176,906	152,288	145,584	161,746	151,128	86,941	61,205	51,936
	13.94%	15.25%	16.03%	16.61%	17.19%	15.93%	14.33%	13.12%	13.83%	14.47%	13.36%	13.48%	9.76%	8.73%	9.07%
Red Flag Computation 4	1,624,045	42,404	106,037	124,361	145,972	167,309	170,946	159,300	176,514	128,279	137,111	108,900	74,461	51,780	30,671
	11.38%	15.57%	12.95%	12.18%	12.16%	11.70%	10.86%	11.81%	16.03%	12.75%	11.32%	9.71%	8.36%	7.39%	5.36%
Red Flag Computation 5	2,503,620	55,172	174,941	206,620	249,571	277,128	281,568	252,293	206,076	173,927	197,139	163,011	113,273	82,638	70,263
	14.17%	16.39%	17.46%	16.70%	17.00%	15.76%	14.61%	15.21%	15.03%	13.66%	13.07%	11.59%	10.10%	9.33%	9.84%
Red Flag Computation 6	719,647	17,413	63,341	68,723	87,643	78,708	81,598	77,018	49,713	44,795	51,852	36,501	24,433	18,081	19,828
	4.07%	5.17%	6.32%	5.55%	5.97%	4.48%	4.23%	4.64%	3.62%	3.52%	3.44%	2.59%	2.18%	2.04%	2.78%
Red Flag Computation 7	9,580,765	178,244	504,796	645,199	748,366	944,301	1,040,167	901,005	788,114	718,387	825,087	784,679	627,181	498,294	376,945
	54.22%	52.94%	50.37%	52.14%	50.96%	53.71%	53.98%	54.33%	57.47%	56.42%	54.69%	55.78%	55.92%	56.24%	52.77%
Red Flag Computation 8	6,659,621	110,787	313,770	399,573	480,607	627,945	713,492	626,526	538,693	520,859	588,062	575,570	483,016	390,400	290,321
	37.69%	32.90%	31.31%	32.29%	32.73%	35.71%	37.03%	37.78%	39.28%	40.91%	38.98%	40.91%	43.06%	44.06%	40.64%
Red Flag Computation 9	868,099	17,099	56,836	86,944	73,445	113,151	114,065	102,382	61,768	60,141	76,822	51,854	23,821	18,680	11,091
	6.08%	6.28%	6.94%	8.51%	6.12%	7.91%	7.24%	7.59%	5.61%	5.98%	6.34%	4.62%	2.67%	2.67%	1.94%
Red Flag Computation 10	1,590,608	19,573	67,969	120,774	117,261	171,838	247,475	225,968	93,609	74,087	70,551	53,602	35,849	28,034	264,018
	11.15%	7.19%	8.30%	11.83%	9.77%	12.02%	15.72%	16.76%	8.50%	7.36%	5.83%	4.78%	4.03%	4.00%	46.10%
Red Flag Computation 11	1,385,652	19,573	67,969	120,774	117,261	171,838	247,475	225,968	93,609	74,087	70,551	53,602	35,849	28,034	59,062
	9.71%	7.19%	8.30%	11.83%	9.77%	12.02%	15.72%	16.76%	8.50%	7.36%	5.83%	4.78%	4.03%	4.00%	10.31%
Red Flag Computation 12	2,884,651	23,257	69,209	86,004	157,235	229,296	348,867	297,305	168,130	175,333	329,975	343,404	299,558	211,691	145,387
	20.22%	8.54%	8.46%	8.42%	13.10%	16.03%	22.15%	22.05%	15.26%	17.42%	27.25%	30.63%	33.64%	30.21%	25.39%
Red Flag Computation 13	1,158,914	11,481	32,384	32,510	64,877	100,524	150,868	133,656	55,439	69,294	138,175	144,082	101,687	71,946	51,991
	8.12%	4.21%	3.96%	3.18%	5.41%	7.03%	9.58%	9.91%	5.03%	6.89%	11.41%	12.85%	11.42%	10.27%	9.08%
Red Flag Computation 14	206,739	10,720	23,653	29,097	30,504	36,252	36,840	18,128	14,820	6,725	0	0	0	0	0
	1.45%	3.94%	2.89%	2.85%	2.54%	2.53%	2.34%	1.34%	1.35%	0.67%	0.00%	0.00%	0.00%	0.00%	0.00%
Red Flag Computation 15	5,992,733	121,686	431,401	568,913	626,307	707,463	725,945	600,291	460,460	386,431	427,552	348,033	251,029	187,858	149,364
	42.00%	44.67%	52.71%	55.71%	52.19%	49.47%	46.10%	44.51%	41.80%	38.40%	35.30%	31.04%	28.19%	26.81%	26.08%
Red Flag Computation 16	520,760	29,091	70,488	77,944	54,061	64,022	66,620	39,944	30,375	17,531	18,236	10,223	13,610	20,235	8,380
	3.65%	10.68%	8.61%	7.63%	4.50%	4.48%	4.23%	2.96%	2.76%	1.74%	1.51%	0.91%	1.53%	2.89%	1.46%
Flagged for Any of the Red Flag Computation 1-16	17,670,525	336,702	1,002,134	1,237,532	1,468,405	1,758,286	1,926,999	1,658,293	1,371,438	1,273,278	1,508,615	1,406,854	1,121,622	886,026	714,341
	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%

Notes

Defendant	Date Range
CVS	January 1, 2006 to November 29, 2019
Giant Eagle/HBC	January 1, 2006 to December 3, 2019
Rite Aid	January 1, 2006 to November 19, 2019
Walgreens	January 3, 2006 to January 3, 2020
Wal-Mart	January 2, 2006 to April 25, 2018

Walgreens Combination Red Flagged Prescriptions Summary
Lake County and Trumbull County, OH
Red Flag Computation 1-16, in MME

	Total	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Total MME of Combination Red Flagged Prescriptions	268,089,901	5,162,454	16,273,090	22,926,500	23,775,442	29,083,268	33,642,930	28,244,634	20,144,693	17,335,710	19,988,922	17,894,808	13,777,682	10,973,941	8,865,827
Total MME of Combination Red Flagged Opioid Prescriptions	268,089,901	5,162,454	16,273,090	22,926,500	23,775,442	29,083,268	33,642,930	28,244,634	20,144,693	17,335,710	19,988,922	17,894,808	13,777,682	10,973,941	8,865,827
Red Flag Computation 1	11,242,942	342,617	813,039	890,379	1,032,332	1,624,647	1,910,579	1,398,079	544,768	516,690	532,366	415,380	467,463	427,087	327,519
	4.19%	6.64%	5.00%	3.88%	4.34%	5.59%	5.68%	4.95%	2.70%	2.98%	2.66%	2.32%	3.39%	3.89%	3.69%
Red Flag Computation 2	50,129,438	1,530,996	3,641,689	4,095,423	4,169,520	5,671,784	5,948,190	5,189,339	3,759,667	3,198,244	3,744,424	3,151,021	2,323,848	1,977,979	1,727,314
	18.70%	29.66%	22.38%	17.86%	17.54%	19.50%	17.68%	18.37%	18.66%	18.45%	18.73%	17.61%	16.87%	18.02%	19.48%
Red Flag Computation 3	36,394,175	852,201	2,367,682	3,649,382	3,963,460	4,466,009	4,299,333	3,082,435	2,813,833	2,497,069	2,490,722	2,556,035	1,345,716	1,110,761	899,536
	13.58%	16.51%	14.55%	15.92%	16.67%	15.36%	12.78%	10.91%	13.97%	14.40%	12.46%	14.28%	9.77%	10.12%	10.15%
Red Flag Computation 4	37,414,348	1,048,027	2,710,153	3,670,025	3,828,141	3,953,115	4,529,652	4,155,723	3,707,695	2,586,674	2,557,173	1,953,564	1,287,160	907,146	520,100
	13.96%	20.30%	16.65%	16.01%	16.10%	13.59%	13.46%	14.71%	18.41%	14.92%	12.79%	10.92%	9.34%	8.27%	5.87%
Red Flag Computation 5	28,704,094	577,430	1,910,228	2,361,797	2,859,574	3,203,613	3,843,255	3,200,316	2,546,084	1,832,911	2,066,225	1,610,074	1,023,126	899,718	769,744
	10.71%	11.19%	11.74%	10.30%	12.03%	11.02%	11.42%	11.33%	12.64%	10.57%	10.34%	9.00%	7.43%	8.20%	8.68%
Red Flag Computation 6	6,588,467	125,243	456,372	464,229	698,603	769,691	959,555	910,173	467,849	384,749	484,478	291,203	163,458	177,608	235,260
	2.46%	2.43%	2.80%	2.02%	2.94%	2.65%	2.85%	3.22%	2.32%	2.22%	2.42%	1.63%	1.19%	1.62%	2.65%
Red Flag Computation 7	126,048,308	2,272,099	6,945,347	10,689,089	10,295,589	12,989,597	15,344,009	13,548,858	10,358,439	8,372,239	9,713,791	9,019,244	6,810,183	5,483,539	4,206,287
	47.02%	44.01%	42.68%	46.62%	43.30%	44.66%	45.61%	47.97%	51.42%	48.29%	48.60%	50.40%	49.43%	49.97%	47.44%
Red Flag Computation 8	74,712,462	1,101,210	3,382,037	5,348,157	5,311,866	7,548,617	8,959,844	7,988,907	5,996,240	5,342,129	6,137,005	5,854,117	4,781,129	3,990,971	2,970,234
	27.87%	21.33%	20.78%	23.33%	22.34%	25.96%	26.63%	28.28%	29.77%	30.82%	30.70%	32.71%	34.70%	36.37%	33.50%
Red Flag Computation 9	18,385,095	307,258	1,084,067	2,077,327	1,566,311	2,785,260	2,682,396	2,285,694	1,256,188	1,163,416	1,316,791	928,683	427,232	318,989	185,485
	6.86%	5.95%	6.66%	9.06%	6.59%	9.58%	7.97%	8.09%	6.24%	6.71%	6.59%	5.19%	3.10%	2.91%	2.09%
Red Flag Computation 10	89,398,446	1,566,531	5,347,491	8,957,513	8,227,826	11,585,629	14,878,395	12,625,818	5,727,020	4,237,425	3,947,435	2,959,547	1,860,987	1,488,668	5,988,164
	33.35%	30.34%	32.86%	39.07%	34.61%	39.84%	44.22%	44.70%	28.43%	24.44%	19.75%	16.54%	13.51%	13.57%	67.54%
Red Flag Computation 11	86,089,633	1,566,531	5,347,491	8,957,513	8,227,826	11,585,629	14,878,395	12,625,818	5,727,020	4,237,425	3,947,435	2,959,547	1,860,987	1,488,668	2,679,351
	32.11%	30.34%	32.86%	39.07%	34.61%	39.84%	44.22%	44.70%	28.43%	24.44%	19.75%	16.54%	13.51%	13.57%	30.22%
Red Flag Computation 12	37,928,901	246,245	745,820	1,106,005	1,557,285	3,241,200	6,470,495	5,378,769	1,906,440	1,870,150	3,758,368	3,912,818	3,527,008	2,468,518	1,739,783
	14.15%	4.77%	4.58%	4.82%	6.55%	11.14%	19.23%	19.04%	9.46%	10.79%	18.80%	21.87%	25.60%	22.49%	19.62%
Red Flag Computation 13	14,143,876	109,255	357,365	391,985	581,285	1,237,540	2,221,010	1,964,209	608,780	753,248	1,580,728	1,644,395	1,226,855	835,645	631,578
	5.28%	2.12%	2.20%	1.71%	2.44%	4.26%	6.60%	6.95%	3.02%	4.35%	7.91%	9.19%	8.90%	7.61%	7.12%
Red Flag Computation 14	1,595,909	66,700	176,075	221,218	222,188	287,585	298,267	142,191	123,789	57,898	0	0	0	0	0
	0.60%	1.29%	1.08%	0.96%	0.93%	0.99%	0.89%	0.50%	0.61%	0.33%	0.00%	0.00%	0.00%	0.00%	0.00%
Red Flag Computation 15	152,781,246	3,149,253	10,806,543	16,505,314	16,298,224	18,492,877	20,581,734	16,367,386	11,436,657	9,071,103	9,755,994	7,765,326	5,366,401	4,118,745	3,065,691
	56.99%	61.00%	66.41%	71.99%	68.55%	63.59%	61.18%	57.95%	56.77%	52.33%	48.81%	43.39%	38.95%	37.53%	34.58%
Red Flag Computation 16	8,964,918	397,093	1,177,799	1,535,518	774,213	1,292,152	1,199,427	798,811	562,364	239,755	251,447	127,199	209,715	274,469	124,960
	3.34%	7.69%	7.24%	6.70%	3.26%	4.44%	3.57%	2.83%	2.79%	1.38%	1.26%	0.71%	1.52%	2.50%	1.41%
Flagged for Any of the Red Flag Computation 1-16	268,089,901	5,162,454	16,273,090	22,926,500	23,775,442	29,083,268	33,642,930	28,244,634	20,144,693	17,335,710	19,988,922	17,894,808	13,777,682	10,973,941	8,865,827
	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%

Notes

Defendant	Date Range
CVS	January 1, 2006 to November 29, 2019
Giant Eagle/HBC	January 1, 2006 to December 3, 2019
Rite Aid	January 1, 2006 to November 19, 2019
Walgreens	January 3, 2006 to January 3, 2020
Wal-Mart	January 2, 2006 to April 25, 2018

CONFIDENTIAL – SUBJECT TO PROTECTIVE ORDER

Walgreens Combination Red Flagged Prescriptions Summary
Lake County, OH
Red Flag Computation 1-16, in # of Prescriptions

	Total	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Total # of Combination Red Flagged Prescriptions	98,134	3,301	8,570	8,903	9,290	10,630	10,672	8,113	6,840	6,218	6,945	6,457	4,897	3,859	3,439
Total # of Combination Red Flagged Opioid Prescriptions	80,894	2,725	7,051	7,399	7,670	8,576	8,637	6,631	5,591	4,981	5,739	5,405	4,166	3,377	2,946
Red Flag Computation 1	4,269	232	465	316	400	461	490	352	220	248	255	246	251	185	148
	5.28%	8.51%	6.59%	4.27%	5.22%	5.38%	5.67%	5.31%	3.93%	4.98%	4.44%	4.55%	6.02%	5.48%	5.02%
Red Flag Computation 2	20,438	767	1,663	1,553	1,606	1,858	2,162	1,820	1,460	1,483	1,731	1,555	1,129	870	781
	25.27%	28.15%	23.59%	20.99%	20.94%	21.67%	25.03%	27.45%	26.11%	29.77%	30.16%	28.77%	27.10%	25.76%	26.51%
Red Flag Computation 3	13,398	515	1,450	1,453	1,448	1,549	1,470	958	830	739	865	891	514	364	352
	16.56%	18.90%	20.56%	19.64%	18.88%	18.06%	17.02%	14.45%	14.85%	14.84%	15.07%	16.48%	12.34%	10.78%	11.95%
Red Flag Computation 4	11,273	506	1,142	1,173	1,289	1,320	1,165	893	977	620	681	616	429	292	170
	13.94%	18.57%	16.20%	15.85%	16.81%	15.39%	13.49%	13.47%	17.47%	12.45%	11.87%	11.40%	10.30%	8.65%	5.77%
Red Flag Computation 5	14,747	436	1,361	1,415	1,722	1,929	1,615	1,174	1,034	1,030	1,064	754	537	317	359
	15.03%	13.21%	15.88%	15.89%	18.54%	18.15%	15.13%	14.47%	15.12%	16.56%	15.32%	11.68%	10.97%	8.21%	10.44%
Red Flag Computation 6	3,244	115	373	335	402	418	391	291	168	193	214	110	110	46	78
	3.31%	3.48%	4.35%	3.76%	4.33%	3.93%	3.66%	3.59%	2.46%	3.10%	3.08%	1.70%	2.25%	1.19%	2.27%
Red Flag Computation 7	47,286	1,535	3,964	4,331	4,446	5,315	5,305	3,848	3,568	3,203	3,355	3,121	2,172	1,619	1,504
	48.19%	46.50%	46.25%	48.65%	47.86%	50.00%	49.71%	47.43%	52.16%	51.51%	48.31%	48.34%	44.35%	41.95%	43.73%
Red Flag Computation 8	24,782	823	2,126	2,150	2,089	2,812	3,045	2,196	1,823	1,705	1,624	1,562	1,141	838	848
	25.25%	24.93%	24.81%	24.15%	22.49%	26.45%	28.53%	27.07%	26.65%	27.42%	23.38%	24.19%	23.30%	21.72%	24.66%
Red Flag Computation 9	3,281	142	364	317	308	492	513	403	254	113	92	96	75	59	53
	4.06%	5.21%	5.16%	4.28%	4.02%	5.74%	5.94%	6.08%	4.54%	2.27%	1.60%	1.78%	1.80%	1.75%	1.80%
Red Flag Computation 10	3,916	161	361	416	393	384	374	235	185	125	140	111	48	45	938
	4.84%	5.91%	5.12%	5.62%	5.12%	4.48%	4.33%	3.54%	3.31%	2.51%	2.44%	2.05%	1.15%	1.33%	31.84%
Red Flag Computation 11	3,196	161	361	416	393	384	374	235	185	125	140	111	48	45	218
	3.95%	5.91%	5.12%	5.62%	5.12%	4.48%	4.33%	3.54%	3.31%	2.51%	2.44%	2.05%	1.15%	1.33%	7.40%
Red Flag Computation 12	9,309	209	456	439	753	950	1,037	881	436	386	681	811	878	815	577
	11.51%	7.67%	6.47%	5.93%	9.82%	11.08%	12.01%	13.29%	7.80%	7.75%	11.87%	15.00%	21.08%	24.13%	19.59%
Red Flag Computation 13	3,329	90	212	150	298	388	453	467	130	75	148	208	250	218	242
	4.12%	3.30%	3.01%	2.03%	3.89%	4.52%	5.24%	7.04%	2.33%	1.51%	2.58%	3.85%	6.00%	6.46%	8.21%
Red Flag Computation 14	638	52	91	102	99	104	106	41	28	15	0	0	0	0	0
	0.79%	1.91%	1.29%	1.38%	1.29%	1.21%	1.23%	0.62%	0.50%	0.30%	0.00%	0.00%	0.00%	0.00%	0.00%
Red Flag Computation 15	33,494	1,198	3,618	3,902	4,001	4,044	3,534	2,639	2,126	1,647	1,825	1,657	1,313	1,014	976
	41.40%	43.96%	51.31%	52.74%	52.16%	47.15%	40.92%	39.80%	38.03%	33.07%	31.80%	30.66%	31.52%	30.03%	33.13%
Red Flag Computation 16	4,737	306	636	671	475	471	551	350	330	225	235	142	132	139	74
	5.86%	11.23%	9.02%	9.07%	6.19%	5.49%	6.38%	5.28%	5.90%	4.52%	4.09%	2.63%	3.17%	4.12%	2.51%
Flagged for Any of the Red Flag Computation 1-16	98,134	3,301	8,570	8,903	9,290	10,630	10,672	8,113	6,840	6,218	6,945	6,457	4,897	3,859	3,439
	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%

Notes

Defendant	Date Range
CVS	January 1, 2006 to November 29, 2019
Giant Eagle/HBC	January 1, 2006 to December 3, 2019
Rite Aid	January 1, 2006 to November 19, 2019
Walgreens	January 3, 2006 to January 3, 2020
Wal-Mart	January 2, 2006 to April 25, 2018

CONFIDENTIAL – SUBJECT TO PROTECTIVE ORDER

Walgreens Combination Red Flagged Prescriptions Summary
Lake County, OH
Red Flag Computation 1-16, in Dosage Units

	Total	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Total Dosage Units of Combination Red Flagged Prescriptions	7,127,312	223,598	597,682	651,179	714,662	842,194	855,127	663,175	484,870	402,785	441,129	411,794	333,585	261,198	244,334
Total Dosage Units of Combination Red Flagged Opioid Prescriptions	6,141,069	189,704	511,776	560,501	620,487	724,629	733,386	573,155	416,797	336,665	373,265	354,081	295,411	235,538	215,674
Red Flag Computation 1	342,171	17,433	30,311	21,529	37,319	45,301	41,904	33,013	17,892	18,598	16,384	14,867	20,483	14,679	12,458
	5.57%	9.19%	5.92%	3.84%	6.01%	6.25%	5.71%	5.76%	4.29%	5.52%	4.39%	4.20%	6.93%	6.23%	5.78%
Red Flag Computation 2	1,446,353	50,059	101,869	114,950	133,064	151,855	164,177	150,333	105,636	94,261	96,121	90,050	74,956	62,293	56,729
	23.55%	26.39%	19.90%	20.51%	21.45%	20.96%	22.39%	26.23%	25.34%	28.00%	25.75%	25.43%	25.37%	26.45%	26.30%
Red Flag Computation 3	789,320	29,083	85,677	87,496	86,217	103,305	89,472	56,310	45,667	39,300	47,328	46,622	30,453	21,448	20,942
	12.85%	15.33%	16.74%	15.61%	13.90%	14.26%	12.20%	9.82%	10.96%	11.67%	12.68%	13.17%	10.31%	9.11%	9.71%
Red Flag Computation 4	848,910	35,051	81,625	82,615	89,919	101,256	90,357	73,229	78,524	48,184	50,143	47,430	34,113	23,085	13,379
	13.82%	18.48%	15.95%	14.74%	14.49%	13.97%	12.32%	12.78%	18.84%	14.31%	13.43%	13.40%	11.55%	9.80%	6.20%
Red Flag Computation 5	1,106,419	33,252	99,193	110,954	126,140	145,175	124,723	100,083	79,675	71,864	76,858	57,246	38,672	20,294	22,290
	15.52%	14.87%	16.60%	17.04%	17.65%	17.24%	14.59%	15.09%	16.43%	17.84%	17.42%	13.90%	11.59%	7.77%	9.12%
Red Flag Computation 6	251,244	9,348	28,255	25,770	28,890	30,552	30,552	22,074	12,794	15,178	18,982	9,240	9,635	3,973	6,001
	3.53%	4.18%	4.73%	3.96%	4.04%	3.63%	3.57%	3.33%	2.64%	3.77%	4.30%	2.24%	2.89%	1.52%	2.46%
Red Flag Computation 7	3,202,125	105,395	266,359	304,445	306,636	388,626	399,341	292,321	239,486	192,901	205,212	180,244	132,142	93,334	95,683
	44.93%	47.14%	44.57%	46.75%	42.91%	46.14%	46.70%	44.08%	49.39%	47.89%	46.52%	43.77%	39.61%	35.73%	39.16%
Red Flag Computation 8	1,638,252	57,251	135,547	147,678	136,566	193,606	223,458	156,850	116,141	101,229	100,036	90,956	70,172	50,526	58,236
	22.99%	25.60%	22.68%	22.68%	19.11%	22.99%	26.13%	23.65%	23.95%	25.13%	22.68%	22.09%	21.04%	19.34%	23.83%
Red Flag Computation 9	296,761	10,898	30,914	28,825	28,586	46,351	47,515	44,064	25,497	7,394	5,823	5,948	5,695	4,414	4,837
	4.83%	5.74%	6.04%	5.14%	4.61%	6.40%	6.48%	7.69%	6.12%	2.20%	1.56%	1.68%	1.93%	1.87%	2.24%
Red Flag Computation 10	394,004	14,227	32,125	37,648	37,099	42,474	42,100	27,262	18,221	14,489	15,550	9,688	5,974	5,730	91,417
	6.42%	7.50%	6.28%	6.72%	5.98%	5.86%	5.74%	4.76%	4.37%	4.30%	4.17%	2.74%	2.02%	2.43%	42.39%
Red Flag Computation 11	322,761	14,227	32,125	37,648	37,099	42,474	42,100	27,262	18,221	14,489	15,550	9,688	5,974	5,730	20,174
	5.26%	7.50%	6.28%	6.72%	5.98%	5.86%	5.74%	4.76%	4.37%	4.30%	4.17%	2.74%	2.02%	2.43%	9.35%
Red Flag Computation 12	1,050,277	22,570	63,519	63,880	115,402	134,255	151,949	132,705	45,435	31,262	50,742	63,241	67,696	60,355	47,266
	17.10%	11.90%	12.41%	11.40%	18.60%	18.53%	20.72%	23.15%	10.90%	9.29%	13.59%	17.86%	22.92%	25.62%	21.92%
Red Flag Computation 13	445,495	10,717	30,290	23,464	50,362	63,949	79,170	75,134	14,259	7,427	11,834	17,432	20,697	19,099	21,661
	7.25%	5.65%	5.92%	4.19%	8.12%	8.83%	10.80%	13.11%	3.42%	2.21%	3.17%	4.92%	7.01%	8.11%	10.04%
Red Flag Computation 14	53,441	5,084	8,648	8,152	6,936	9,672	8,894	2,817	1,928	1,310	0	0	0	0	0
	0.87%	2.68%	1.69%	1.45%	1.12%	1.33%	1.21%	0.49%	0.46%	0.39%	0.00%	0.00%	0.00%	0.00%	0.00%
Red Flag Computation 15	2,779,466	91,701	287,406	316,257	331,532	363,727	317,404	244,767	182,921	129,992	139,964	123,920	103,564	76,095	70,216
	45.26%	48.34%	56.16%	56.42%	53.43%	50.19%	43.28%	42.71%	43.89%	38.61%	37.50%	35.00%	35.06%	32.31%	32.56%
Red Flag Computation 16	264,526	19,560	39,814	41,231	26,492	31,435	36,557	17,329	13,349	8,540	9,404	4,985	5,869	6,162	3,799
	4.31%	10.31%	7.78%	7.36%	4.27%	4.34%	4.98%	3.02%	3.20%	2.54%	2.52%	1.41%	1.99%	2.62%	1.76%
Flagged for Any of the Red Flag Computation 1-16	7,127,312	223,598	597,682	651,179	714,662	842,194	855,127	663,175	484,870	402,785	441,129	411,794	333,585	261,198	244,334
	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%

Notes

Defendant	Date Range
CVS	January 1, 2006 to November 29, 2019
Giant Eagle/HBC	January 1, 2006 to December 3, 2019
Rite Aid	January 1, 2006 to November 19, 2019
Walgreens	January 3, 2006 to January 3, 2020
Wal-Mart	January 2, 2006 to April 25, 2018

CONFIDENTIAL – SUBJECT TO PROTECTIVE ORDER

Walgreens Combination Red Flagged Prescriptions Summary
Lake County, OH
Red Flag Computation 1-16, in MME

	Total	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Total MME of Combination Red Flagged Prescriptions	101,438,359	3,752,229	10,266,702	10,916,108	11,357,927	12,076,227	12,104,417	8,940,825	6,793,512	4,991,933	5,320,948	4,860,741	3,829,829	3,135,867	3,091,094
Total MME of Combination Red Flagged Opioid Prescriptions	101,438,359	3,752,229	10,266,702	10,916,108	11,357,927	12,076,227	12,104,417	8,940,825	6,793,512	4,991,933	5,320,948	4,860,741	3,829,829	3,135,867	3,091,094
Red Flag Computation 1	5,721,121	248,404	491,737	481,439	632,269	847,534	939,469	683,104	254,933	214,293	204,863	205,090	228,313	163,139	126,535
	5.64%	6.62%	4.79%	4.41%	5.57%	7.02%	7.76%	7.64%	3.75%	4.29%	3.85%	4.22%	5.96%	5.20%	4.09%
Red Flag Computation 2	25,454,712	1,098,561	2,307,142	2,520,382	2,382,477	2,728,318	3,168,000	2,684,591	1,743,717	1,376,449	1,401,751	1,346,491	1,024,141	826,253	846,440
	25.09%	29.28%	22.47%	23.09%	20.98%	22.59%	26.17%	30.03%	25.67%	27.57%	26.34%	27.70%	26.74%	26.35%	27.38%
Red Flag Computation 3	13,613,522	556,068	1,586,494	1,658,249	1,577,726	1,913,491	1,556,262	886,514	747,519	550,191	606,176	799,238	397,164	346,966	431,466
	13.42%	14.82%	15.45%	15.19%	13.89%	15.85%	12.86%	9.92%	11.00%	11.02%	11.39%	16.44%	10.37%	11.06%	13.96%
Red Flag Computation 4	17,716,680	904,025	2,223,732	2,055,077	2,199,514	2,312,541	1,914,064	1,436,283	1,460,550	884,483	786,134	628,002	428,244	300,530	183,501
	17.47%	24.09%	21.66%	18.83%	19.37%	19.15%	15.81%	16.06%	21.50%	17.72%	14.77%	12.92%	11.18%	9.58%	5.94%
Red Flag Computation 5	11,547,108	354,920	1,200,113	1,340,813	1,507,900	1,453,336	1,266,754	1,112,627	970,685	638,936	649,979	458,142	277,692	154,835	160,380
	11.38%	9.46%	11.69%	12.28%	13.28%	12.03%	10.47%	12.44%	14.29%	12.80%	12.22%	9.43%	7.25%	4.94%	5.19%
Red Flag Computation 6	1,675,210	83,565	251,445	158,071	245,110	203,415	196,803	152,758	75,129	74,403	75,355	45,985	61,640	23,558	27,975
	1.65%	2.23%	2.45%	1.45%	2.16%	1.68%	1.63%	1.71%	1.11%	1.49%	1.42%	0.95%	1.61%	0.75%	0.91%
Red Flag Computation 7	41,136,868	1,569,996	4,113,928	4,808,958	4,471,457	4,893,453	4,729,669	3,554,811	3,068,232	2,178,404	2,369,157	1,925,663	1,349,306	964,822	1,139,013
	40.55%	41.84%	40.07%	44.05%	39.37%	40.52%	39.07%	39.76%	45.16%	43.64%	44.53%	39.62%	35.23%	30.77%	36.85%
Red Flag Computation 8	15,855,630	717,491	1,606,484	1,740,457	1,463,697	1,870,042	2,074,338	1,440,891	1,000,750	761,171	857,001	698,986	633,468	437,355	553,500
	15.63%	19.12%	15.65%	15.94%	12.89%	15.49%	17.14%	16.12%	14.73%	15.25%	16.11%	14.38%	16.54%	13.95%	17.91%
Red Flag Computation 9	5,473,671	182,515	490,275	505,279	510,804	974,977	919,270	845,790	472,411	119,063	87,554	112,075	83,935	75,040	94,685
	5.40%	4.86%	4.78%	4.63%	4.50%	8.07%	7.59%	9.46%	6.95%	2.39%	1.65%	2.31%	2.19%	2.39%	3.06%
Red Flag Computation 10	21,851,544	1,104,111	2,806,326	3,037,540	2,770,529	2,640,269	2,457,101	1,632,390	1,093,130	637,143	726,280	430,607	265,839	235,320	2,014,961
	21.54%	29.43%	27.33%	27.83%	24.39%	21.86%	20.30%	18.26%	16.09%	12.76%	13.65%	8.86%	6.94%	7.50%	65.19%
Red Flag Computation 11	20,684,772	1,104,111	2,806,326	3,037,540	2,770,529	2,640,269	2,457,101	1,632,390	1,093,130	637,143	726,280	430,607	265,839	235,320	848,188
	20.39%	29.43%	27.33%	27.83%	24.39%	21.86%	20.30%	18.26%	16.09%	12.76%	13.65%	8.86%	6.94%	7.50%	27.44%
Red Flag Computation 12	9,074,809	240,260	657,695	550,008	926,888	1,081,530	1,273,703	1,087,256	380,535	246,840	422,778	546,933	594,305	562,663	503,418
	8.95%	6.40%	6.41%	5.04%	8.16%	8.96%	10.52%	12.16%	5.60%	4.94%	7.95%	11.25%	15.52%	17.94%	16.29%
Red Flag Computation 13	3,943,336	104,255	339,110	222,120	416,203	517,018	636,750	593,086	117,895	71,690	105,828	170,470	198,400	193,793	256,720
	3.89%	2.78%	3.30%	2.03%	3.66%	4.28%	5.26%	6.63%	1.74%	1.44%	1.99%	3.51%	5.18%	6.18%	8.31%
Red Flag Computation 14	361,337	29,702	57,515	55,615	42,975	68,075	64,215	20,685	12,655	9,900	0	0	0	0	0
	0.36%	0.79%	0.56%	0.51%	0.38%	0.56%	0.53%	0.23%	0.19%	0.20%	0.00%	0.00%	0.00%	0.00%	0.00%
Red Flag Computation 15	60,403,911	2,368,630	6,972,096	7,615,349	7,694,248	7,645,461	6,762,890	5,059,164	4,093,857	2,605,516	2,785,478	2,370,685	1,751,153	1,352,418	1,326,966
	59.55%	63.13%	67.91%	69.76%	67.74%	63.31%	55.87%	56.58%	60.26%	52.19%	52.35%	48.77%	45.72%	43.13%	42.93%
Red Flag Computation 16	3,985,634	284,945	689,425	622,745	347,113	527,749	600,623	263,809	173,096	104,273	105,117	63,388	74,565	68,639	60,150
	3.93%	7.59%	6.72%	5.70%	3.06%	4.37%	4.96%	2.95%	2.55%	2.09%	1.98%	1.30%	1.95%	2.19%	1.95%
Flagged for Any of the Red Flag Computation 1-16	101,438,359	3,752,229	10,266,702	10,916,108	11,357,927	12,076,227	12,104,417	8,940,825	6,793,512	4,991,933	5,320,948	4,860,741	3,829,829	3,135,867	3,091,094
	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%

Notes

Defendant	Date Range
CVS	January 1, 2006 to November 29, 2019
Giant Eagle/HBC	January 1, 2006 to December 3, 2019
Rite Aid	January 1, 2006 to November 19, 2019
Walgreens	January 3, 2006 to January 3, 2020
Wal-Mart	January 2, 2006 to April 25, 2018

CONFIDENTIAL – SUBJECT TO PROTECTIVE ORDER

Walgreens Combination Red Flagged Prescriptions Summary
Trumbull County, OH
Red Flag Computation 1-16, in # of Prescriptions

	Total	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Total # of Combination Red Flagged Prescriptions	128,709	1,622	5,528	7,416	9,064	11,277	12,922	12,008	11,142	10,457	12,678	11,761	9,277	7,464	6,093
Total # of Combination Red Flagged Opioid Prescriptions	94,715	1,180	4,113	5,633	6,672	8,320	9,548	8,759	8,153	7,796	9,518	8,623	6,639	5,302	4,459
Red Flag Computation 1	3,145	100	280	290	293	347	344	236	211	222	200	168	146	157	151
	3.32%	8.47%	6.81%	5.15%	4.39%	4.17%	3.60%	2.69%	2.59%	2.85%	2.10%	1.95%	2.20%	2.96%	3.39%
Red Flag Computation 2	16,628	346	1,050	1,121	1,275	1,552	1,491	1,315	1,385	1,354	1,498	1,353	1,073	941	874
	17.56%	29.32%	25.53%	19.90%	19.11%	18.65%	15.62%	15.01%	16.99%	17.37%	15.74%	15.69%	16.16%	17.75%	19.60%
Red Flag Computation 3	16,243	185	649	1,146	1,451	1,587	1,778	1,636	1,468	1,477	1,531	1,397	792	600	546
	17.15%	15.68%	15.78%	20.34%	21.75%	19.07%	18.62%	18.68%	18.01%	18.95%	16.09%	16.20%	11.93%	11.32%	12.24%
Red Flag Computation 4	9,112	103	300	542	665	796	950	951	1,162	935	1,044	718	440	324	182
	9.62%	8.73%	7.29%	9.62%	9.97%	9.57%	9.95%	10.86%	14.25%	11.99%	10.97%	8.33%	6.63%	6.11%	4.08%
Red Flag Computation 5	17,665	260	987	1,212	1,466	1,650	1,968	1,959	1,638	1,272	1,560	1,374	972	741	606
	13.72%	16.03%	17.85%	16.34%	16.17%	14.63%	15.23%	16.31%	14.70%	12.16%	12.30%	11.68%	10.48%	9.93%	9.95%
Red Flag Computation 6	5,657	86	440	509	678	576	616	680	472	389	407	333	181	148	142
	4.40%	5.30%	7.96%	6.86%	7.48%	5.11%	4.77%	5.66%	4.24%	3.72%	3.21%	2.83%	1.95%	1.98%	2.33%
Red Flag Computation 7	75,637	976	3,120	4,217	5,254	6,682	7,690	7,181	6,709	5,924	7,064	6,957	5,696	4,692	3,475
	58.77%	60.17%	56.44%	56.86%	57.97%	59.25%	59.51%	59.80%	60.21%	56.65%	55.72%	59.15%	61.40%	62.86%	57.03%
Red Flag Computation 8	57,937	699	2,254	2,941	4,003	5,112	5,771	5,479	5,065	4,587	5,363	5,429	4,616	3,823	2,795
	45.01%	43.09%	40.77%	39.66%	44.16%	45.33%	44.66%	45.63%	45.46%	43.87%	42.30%	46.16%	49.76%	51.22%	45.87%
Red Flag Computation 9	5,838	68	260	460	381	537	569	509	381	651	941	635	242	146	58
	6.16%	5.76%	6.32%	8.17%	5.71%	6.45%	5.96%	5.81%	4.67%	8.35%	9.89%	7.36%	3.65%	2.75%	1.30%
Red Flag Computation 10	11,219	73	404	829	792	1,241	1,736	1,545	694	558	493	427	253	167	2,007
	11.85%	6.19%	9.82%	14.72%	11.87%	14.92%	18.18%	17.64%	8.51%	7.16%	5.18%	4.95%	3.81%	3.15%	45.01%
Red Flag Computation 11	9,703	73	404	829	792	1,241	1,736	1,545	694	558	493	427	253	167	491
	10.24%	6.19%	9.82%	14.72%	11.87%	14.92%	18.18%	17.64%	8.51%	7.16%	5.18%	4.95%	3.81%	3.15%	11.01%
Red Flag Computation 12	17,921	9	76	199	399	880	1,681	1,438	1,182	1,507	2,927	2,783	2,299	1,530	1,011
	18.92%	0.76%	1.85%	3.53%	5.98%	10.58%	17.61%	16.42%	14.50%	19.33%	30.75%	32.27%	34.63%	28.86%	22.67%
Red Flag Computation 13	6,864	11	33	98	154	348	614	510	399	605	1,242	1,219	798	517	316
	7.25%	0.93%	0.80%	1.74%	2.31%	4.18%	6.43%	5.82%	4.89%	7.76%	13.05%	14.14%	12.02%	9.75%	7.09%
Red Flag Computation 14	1,586	64	173	217	238	260	261	181	137	55	0	0	0	0	0
	1.67%	5.42%	4.21%	3.85%	3.57%	3.13%	2.73%	2.07%	1.68%	0.71%	0.00%	0.00%	0.00%	0.00%	0.00%
Red Flag Computation 15	37,554	395	1,828	2,927	3,192	3,919	4,584	3,913	3,312	3,017	3,501	2,838	1,773	1,354	1,001
	39.65%	33.47%	44.44%	51.96%	47.84%	47.10%	48.01%	44.67%	40.62%	38.70%	36.78%	32.91%	26.71%	25.54%	22.45%
Red Flag Computation 16	4,035	193	545	517	443	480	403	360	317	156	126	72	132	193	98
	4.26%	16.36%	13.25%	9.18%	6.64%	5.77%	4.22%	4.11%	3.89%	2.00%	1.32%	0.83%	1.99%	3.64%	2.20%
Flagged for Any of the Red Flag Computation 1-16	128,709	1,622	5,528	7,416	9,064	11,277	12,922	12,008	11,142	10,457	12,678	11,761	9,277	7,464	6,093
	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%

Notes

Defendant	Date Range
CVS	January 1, 2006 to November 29, 2019
Giant Eagle/HBC	January 1, 2006 to December 3, 2019
Rite Aid	January 1, 2006 to November 19, 2019
Walgreens	January 3, 2006 to January 3, 2020
Wal-Mart	January 2, 2006 to April 25, 2018

CONFIDENTIAL – SUBJECT TO PROTECTIVE ORDER

Walgreens Combination Red Flagged Prescriptions Summary
Trumbull County, OH
Red Flag Computation 1-16, in Dosage Units

	Total	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Total Dosage Units of Combination Red Flagged Prescriptions	10,543,213	113,104	404,452	586,353	753,743	916,092	1,071,872	995,118	886,568	870,493	1,067,486	995,060	788,037	624,828	470,007
Total Dosage Units of Combination Red Flagged Opioid Prescriptions	8,128,653	82,710	306,730	460,632	579,615	705,566	841,294	775,438	684,659	669,701	837,808	767,158	595,148	465,173	357,021
Red Flag Computation 1	258,350	5,209	16,930	21,763	25,514	30,673	34,209	22,774	16,705	18,037	16,224	12,426	12,911	12,774	12,201
	3.18%	6.30%	5.52%	4.72%	4.40%	4.35%	4.07%	2.94%	2.44%	2.69%	1.94%	1.62%	2.17%	2.75%	3.42%
Red Flag Computation 2	1,223,816	20,517	65,458	77,845	92,883	112,630	114,504	103,195	100,822	94,108	118,062	104,767	83,733	74,580	60,712
	15.06%	24.81%	21.34%	16.90%	16.02%	15.96%	13.61%	13.31%	14.73%	14.05%	14.09%	13.66%	14.07%	16.03%	17.01%
Red Flag Computation 3	1,200,571	12,460	45,566	82,111	120,108	124,476	136,186	120,596	106,621	106,284	114,418	104,506	56,488	39,757	30,994
	14.77%	15.06%	14.86%	17.83%	20.72%	17.64%	16.19%	15.55%	15.57%	15.87%	13.66%	13.62%	9.49%	8.55%	8.68%
Red Flag Computation 4	775,135	7,353	24,412	41,746	56,053	66,053	80,589	86,071	97,990	80,095	86,968	61,470	40,348	28,695	17,292
	9.54%	8.89%	7.96%	9.06%	9.67%	9.36%	9.58%	11.10%	14.31%	11.96%	10.38%	8.01%	6.78%	6.17%	4.84%
Red Flag Computation 5	1,397,201	21,920	75,748	95,666	123,431	131,953	156,845	152,210	126,401	102,063	120,281	105,765	74,601	62,344	47,973
	13.25%	19.38%	18.73%	16.32%	16.38%	14.40%	14.63%	15.30%	14.26%	11.72%	11.27%	10.63%	9.47%	9.98%	10.21%
Red Flag Computation 6	468,403	8,065	35,086	42,953	58,753	48,156	51,046	54,944	36,919	29,617	32,870	27,261	14,798	14,108	13,827
	4.44%	7.13%	8.67%	7.33%	7.79%	5.26%	4.76%	5.52%	4.16%	3.40%	3.08%	2.74%	1.88%	2.26%	2.94%
Red Flag Computation 7	6,378,640	72,849	238,437	340,754	441,730	555,675	640,826	608,684	548,628	525,486	619,875	604,435	495,039	404,960	281,262
	60.50%	64.41%	58.95%	58.11%	58.60%	60.66%	59.79%	61.17%	61.88%	60.37%	58.07%	60.74%	62.82%	64.81%	59.84%
Red Flag Computation 8	5,021,369	53,536	178,223	251,895	344,041	434,339	490,034	469,676	422,552	419,630	488,026	484,614	412,844	339,874	232,085
	47.63%	47.33%	44.07%	42.96%	45.64%	47.41%	45.72%	47.20%	47.66%	48.21%	45.72%	48.70%	52.39%	54.39%	49.38%
Red Flag Computation 9	571,338	6,201	25,922	58,119	44,859	66,800	66,550	58,318	36,271	52,747	70,999	45,906	18,126	14,266	6,254
	7.03%	7.50%	8.45%	12.62%	7.74%	9.47%	7.91%	7.52%	5.30%	7.88%	8.47%	5.98%	3.05%	3.07%	1.75%
Red Flag Computation 10	1,196,604	5,346	35,844	83,126	80,162	129,364	205,375	198,706	75,388	59,598	55,001	43,914	29,875	22,304	172,601
	14.72%	6.46%	11.69%	18.05%	13.83%	18.33%	24.41%	25.63%	11.01%	8.90%	6.56%	5.72%	5.02%	4.79%	48.34%
Red Flag Computation 11	1,062,891	5,346	35,844	83,126	80,162	129,364	205,375	198,706	75,388	59,598	55,001	43,914	29,875	22,304	38,888
	13.08%	6.46%	11.69%	18.05%	13.83%	18.33%	24.41%	25.63%	11.01%	8.90%	6.56%	5.72%	5.02%	4.79%	10.89%
Red Flag Computation 12	1,834,374	687	5,690	22,124	41,833	95,041	196,918	164,600	122,695	144,071	279,233	280,163	231,862	151,336	98,121
	22.57%	0.83%	1.86%	4.80%	7.22%	13.47%	23.41%	21.23%	17.92%	21.51%	33.33%	36.52%	38.96%	32.53%	27.48%
Red Flag Computation 13	713,419	764	2,094	9,046	14,515	36,575	71,698	58,522	41,180	61,867	126,341	126,650	80,990	52,847	30,330
	8.78%	0.92%	0.68%	1.96%	2.50%	5.18%	8.52%	7.55%	6.01%	9.24%	15.08%	16.51%	13.61%	11.36%	8.50%
Red Flag Computation 14	153,298	5,636	15,005	20,945	23,568	26,580	27,946	15,311	12,892	5,415	0	0	0	0	0
	1.89%	6.81%	4.89%	4.55%	4.07%	3.77%	3.32%	1.97%	1.88%	0.81%	0.00%	0.00%	0.00%	0.00%	0.00%
Red Flag Computation 15	3,213,267	29,985	143,995	252,656	294,775	343,736	408,541	355,524	277,539	256,439	287,588	224,113	147,465	111,763	79,148
	39.53%	36.25%	46.95%	54.85%	50.86%	48.72%	48.56%	45.85%	40.54%	38.29%	34.33%	29.21%	24.78%	24.03%	22.17%
Red Flag Computation 16	256,234	9,531	30,674	36,713	27,569	32,587	30,063	22,615	17,026	8,991	8,832	5,238	7,741	14,073	4,581
	3.15%	11.52%	10.00%	7.97%	4.76%	4.62%	3.57%	2.92%	2.49%	1.34%	1.05%	0.68%	1.30%	3.03%	1.28%
Flagged for Any of the Red Flag Computation 1-16	10,543,213	113,104	404,452	586,353	753,743	916,092	1,071,872	995,118	886,568	870,493	1,067,486	995,060	788,037	624,828	470,007
	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%

Notes

Defendant	Date Range
CVS	January 1, 2006 to November 29, 2019
Giant Eagle/HBC	January 1, 2006 to December 3, 2019
Rite Aid	January 1, 2006 to November 19, 2019
Walgreens	January 3, 2006 to January 3, 2020
Wal-Mart	January 2, 2006 to April 25, 2018

CONFIDENTIAL – SUBJECT TO PROTECTIVE ORDER

Walgreens Combination Red Flagged Prescriptions Summary
Trumbull County, OH
Red Flag Computation 1-16, in MME

	Total	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Total MME of Combination Red Flagged Prescriptions	166,651,542	1,410,225	6,006,388	12,010,393	12,417,515	17,007,041	21,538,513	19,303,808	13,351,181	12,343,778	14,667,975	13,034,067	9,947,852	7,838,075	5,774,733
Total MME of Combination Red Flagged Opioid Prescriptions	166,651,542	1,410,225	6,006,388	12,010,393	12,417,515	17,007,041	21,538,513	19,303,808	13,351,181	12,343,778	14,667,975	13,034,067	9,947,852	7,838,075	5,774,733
Red Flag Computation 1	5,521,821	94,213	321,302	408,940	400,063	777,113	971,110	714,975	289,835	302,398	327,503	210,291	239,150	263,948	200,984
	3.31%	6.68%	5.35%	3.40%	3.22%	4.57%	4.51%	3.70%	2.17%	2.45%	2.23%	1.61%	2.40%	3.37%	3.48%
Red Flag Computation 2	24,674,726	432,435	1,334,546	1,575,042	1,787,043	2,943,466	2,780,191	2,504,748	2,015,950	1,821,795	2,342,674	1,804,530	1,299,707	1,151,727	880,874
	14.81%	30.66%	22.22%	13.11%	14.39%	17.31%	12.91%	12.98%	15.10%	14.76%	15.97%	13.84%	13.07%	14.69%	15.25%
Red Flag Computation 3	22,780,653	296,133	781,188	1,991,133	2,385,734	2,552,519	2,743,071	2,195,922	2,066,315	1,946,878	1,884,546	1,756,797	948,553	763,795	468,070
	13.67%	21.00%	13.01%	16.58%	19.21%	15.01%	12.74%	11.38%	15.48%	15.77%	12.85%	13.48%	9.54%	9.74%	8.11%
Red Flag Computation 4	19,697,668	144,003	486,421	1,614,948	1,628,627	1,640,574	2,615,588	2,719,440	2,247,145	1,702,191	1,771,039	1,325,562	858,916	606,616	336,599
	11.82%	10.21%	8.10%	13.45%	13.12%	9.65%	12.14%	14.09%	16.83%	13.79%	12.07%	10.17%	8.63%	7.74%	5.83%
Red Flag Computation 5	17,156,986	222,510	710,115	1,020,984	1,351,674	1,750,277	2,576,502	2,087,689	1,575,400	1,193,975	1,416,246	1,151,933	745,435	744,883	609,364
	10.30%	15.78%	11.82%	8.50%	10.89%	10.29%	11.96%	10.81%	11.80%	9.67%	9.66%	8.84%	7.49%	9.50%	10.55%
Red Flag Computation 6	4,913,257	41,678	204,927	306,158	453,493	566,276	762,753	757,415	392,720	310,346	409,123	245,218	101,818	154,050	207,285
	2.95%	2.96%	3.41%	2.55%	3.65%	3.33%	3.54%	3.92%	2.94%	2.51%	2.79%	1.88%	1.02%	1.97%	3.59%
Red Flag Computation 7	84,911,440	702,103	2,831,419	5,880,131	5,824,132	8,096,143	10,614,340	9,994,046	7,290,207	6,193,835	7,344,634	7,093,581	5,460,877	4,518,717	3,067,274
	50.95%	49.79%	47.14%	48.96%	46.90%	47.60%	49.28%	51.77%	54.60%	50.18%	50.07%	54.42%	54.90%	57.65%	53.12%
Red Flag Computation 8	58,856,832	383,718	1,775,553	3,607,700	3,848,169	5,678,575	6,885,506	6,548,016	4,995,490	4,580,957	5,280,004	5,155,132	4,147,661	3,553,616	2,416,734
	35.32%	27.21%	29.56%	30.04%	30.99%	33.39%	31.97%	33.92%	37.42%	37.11%	36.00%	39.55%	41.69%	45.34%	41.85%
Red Flag Computation 9	12,911,424	124,743	593,792	1,572,048	1,055,507	1,810,284	1,763,127	1,439,904	783,777	1,044,353	1,229,238	816,608	343,298	243,949	90,800
	7.75%	8.85%	9.89%	13.09%	8.50%	10.64%	8.19%	7.46%	5.87%	8.46%	8.38%	6.27%	3.45%	3.11%	1.57%
Red Flag Computation 10	67,546,902	462,420	2,541,165	5,919,973	5,457,298	8,945,360	12,421,294	10,993,428	4,633,890	3,600,283	3,221,155	2,528,940	1,595,148	1,253,348	3,973,203
	40.53%	32.79%	42.31%	49.29%	43.95%	52.60%	57.67%	56.95%	34.71%	29.17%	21.96%	19.40%	16.04%	15.99%	68.80%
Red Flag Computation 11	65,404,862	462,420	2,541,165	5,919,973	5,457,298	8,945,360	12,421,294	10,993,428	4,633,890	3,600,283	3,221,155	2,528,940	1,595,148	1,253,348	1,831,163
	39.25%	32.79%	42.31%	49.29%	43.95%	52.60%	57.67%	56.95%	34.71%	29.17%	21.96%	19.40%	16.04%	15.99%	31.71%
Red Flag Computation 12	28,854,093	5,985	88,125	555,998	630,398	2,159,670	5,196,793	4,291,513	1,525,905	1,623,310	3,335,590	3,365,885	2,932,703	1,905,855	1,236,365
	17.31%	0.42%	1.47%	4.63%	5.08%	12.70%	24.13%	22.23%	11.43%	13.15%	22.74%	25.82%	29.48%	24.32%	21.41%
Red Flag Computation 13	10,200,540	5,000	18,255	169,865	165,083	720,523	1,584,260	1,371,123	490,885	681,558	1,474,900	1,473,925	1,028,455	641,853	374,858
	6.12%	0.35%	0.30%	1.41%	1.33%	4.24%	7.36%	7.10%	3.68%	5.52%	10.06%	11.31%	10.34%	8.19%	6.49%
Red Flag Computation 14	1,234,572	36,998	118,560	165,603	179,213	219,510	234,052	121,506	111,134	47,998	0	0	0	0	0
	0.74%	2.62%	1.97%	1.38%	1.44%	1.29%	1.09%	0.63%	0.83%	0.39%	0.00%	0.00%	0.00%	0.00%	0.00%
Red Flag Computation 15	92,377,336	780,623	3,834,447	8,889,965	8,603,976	10,847,416	13,818,844	11,308,222	7,342,800	6,465,587	6,970,516	5,394,641	3,615,248	2,766,327	1,738,725
	55.43%	55.35%	63.84%	74.02%	69.29%	63.78%	64.16%	58.58%	55.00%	52.38%	47.52%	41.39%	36.34%	35.29%	30.11%
Red Flag Computation 16	4,979,284	112,148	488,374	912,773	427,100	764,403	598,804	535,003	389,268	135,482	146,330	63,812	135,150	205,830	64,810
	2.99%	7.95%	8.13%	7.60%	3.44%	4.49%	2.78%	2.77%	2.92%	1.10%	1.00%	0.49%	1.36%	2.63%	1.12%
Flagged for Any of the Red Flag Computation 1-16	166,651,542	1,410,225	6,006,388	12,010,393	12,417,515	17,007,041	21,538,513	19,303,808	13,351,181	12,343,778	14,667,975	13,034,067	9,947,852	7,838,075	5,774,733
	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%

Notes

Defendant	Date Range
CVS	January 1, 2006 to November 29, 2019
Giant Eagle/HBC	January 1, 2006 to December 3, 2019
Rite Aid	January 1, 2006 to November 19, 2019
Walgreens	January 3, 2006 to January 3, 2020
Wal-Mart	January 2, 2006 to April 25, 2018

C. Combination Red Flagged Prescriptions – Red Flag Computation 1-16 No of Flags Triggered

Lake County and Trumbull County, OH
Summary of Combination Red Flagged Opioid Prescriptions
Red Flag Computation 1-16

Defendant	CVS		Walgreens		Wal-Mart		Giant Eagle/HBC		Rite Aid		Total	
Total # of Combination Red Flagged Opioid Prescriptions	**141,651**		**175,609**		**37,379**		**125,994**		**209,395**		**690,028**	
Opioid Prescriptions Flagged - 2+ Methods	87,206	61 56%	119,153	67 85%	23,918	63 99%	76,514	60 73%	147,916	70 64%	**454,707**	65 90%
Opioid Prescriptions Flagged - 3+ Methods	37,472	26 45%	59,853	34 08%	10,737	28 72%	29,431	23 36%	79,181	37 81%	**216,674**	31 40%
Opioid Prescriptions Flagged - 4+ Methods	14,592	10 30%	26,768	15 24%	4,279	11 45%	10,626	8 43%	37,146	17 74%	**93,411**	13 54%
Opioid Prescriptions Flagged - 5+ Methods	4,742	3 35%	9,498	5 41%	1,374	3 68%	3,257	2 59%	15,252	7 28%	**34,123**	4 95%
Opioid Prescriptions Flagged - 6+ Methods	1,269	0 90%	3,030	1 73%	367	0 98%	886	0 70%	4,887	2 33%	**10,439**	1 51%
Opioid Prescriptions Flagged - 7+ Methods	256	0 18%	691	0 39%	102	0 27%	182	0 14%	1,543	0 74%	**2,774**	0 40%
Opioid Prescriptions Flagged - 8+ Methods	60	0 04%	146	0 08%	16	0 04%	42	0 03%	438	0 21%	**702**	0 10%
Opioid Prescriptions Flagged - 9+ Methods	4	0 00%	35	0 02%	1	0 00%	6	0 00%	72	0 03%	**118**	0 02%
Opioid Prescriptions Flagged - 10+ Methods	0	0 00%	4	0 00%	0	0 00%	0	0 00%	14	0 01%	**18**	0 00%

Notes

Defendant	Date Range
CVS	January 1, 2006 to November 29, 2019
Giant Eagle/HBC	January 1, 2006 to December 3, 2019
Rite Aid	January 1, 2006 to November 19, 2019
Walgreens	January 3, 2006 to January 3, 2020
Wal-Mart	January 2, 2006 to April 25, 2018

Lake County, OH
Summary of Combination Red Flagged Opioid Prescriptions
Red Flag Computation 1-16

Defendant	CVS		Walgreens		Wal-Mart		Giant Eagle/HBC		Rite Aid		Total	
Total # of Combination Red Flagged Opioid Prescriptions	**91,066**		**80,894**		**26,709**		**45,795**		**59,259**		**303,723**	
Opioid Prescriptions Flagged - 2+ Methods	55,212	60 63%	50,495	62 42%	16,848	63 08%	25,366	55 39%	41,692	70 36%	**189,613**	62 43%
Opioid Prescriptions Flagged - 3+ Methods	24,604	27 02%	22,915	28 33%	8,104	30 34%	9,467	20 67%	22,067	37 24%	**87,157**	28 70%
Opioid Prescriptions Flagged - 4+ Methods	9,531	10 47%	9,262	11 45%	3,285	12 30%	3,031	6 62%	9,945	16 78%	**35,054**	11 54%
Opioid Prescriptions Flagged - 5+ Methods	3,156	3 47%	3,047	3 77%	1,147	4 29%	774	1 69%	4,048	6 83%	**12,172**	4 01%
Opioid Prescriptions Flagged - 6+ Methods	820	0 90%	794	0 98%	332	1 24%	178	0 39%	1,155	1 95%	**3,279**	1 08%
Opioid Prescriptions Flagged - 7+ Methods	172	0 19%	160	0 20%	96	0 36%	43	0 09%	297	0 50%	**768**	0 25%
Opioid Prescriptions Flagged - 8+ Methods	33	0 04%	31	0 04%	16	0 06%	9	0 02%	71	0 12%	**160**	0 05%
Opioid Prescriptions Flagged - 9+ Methods	4	0 00%	10	0 01%	1	0 00%	1	0 00%	4	0 01%	**20**	0 01%
Opioid Prescriptions Flagged - 10+ Methods	0	0 00%	0	0 00%	0	0 00%	0	0 00%	0	0 00%	**0**	0 00%

Notes

Defendant	Date Range
CVS	January 1, 2006 to November 29, 2019
Giant Eagle/HBC	January 1, 2006 to December 3, 2019
Rite Aid	January 1, 2006 to November 19, 2019
Walgreens	January 3, 2006 to January 3, 2020
Wal-Mart	January 2, 2006 to April 25, 2018

Trumbull County, OH
Summary of Combination Red Flagged Opioid Prescriptions
Red Flag Computation 1-16

Defendant	CVS		Walgreens		Wal-Mart		Giant Eagle/HBC		Rite Aid		Total	
Total # of Combination Red Flagged Opioid Prescriptions	**50,585**		**94,715**		**10,670**		**80,199**		**150,136**		**386,305**	
Opioid Prescriptions Flagged - 2+ Methods	31,994	63 25%	68,658	72 49%	7,070	66 26%	51,148	63 78%	106,224	70 75%	**265,094**	68 62%
Opioid Prescriptions Flagged - 3+ Methods	12,868	25 44%	36,938	39 00%	2,633	24 68%	19,964	24 89%	57,114	38 04%	**129,517**	33 53%
Opioid Prescriptions Flagged - 4+ Methods	5,061	10 00%	17,506	18 48%	994	9 32%	7,595	9 47%	27,201	18 12%	**58,357**	15 11%
Opioid Prescriptions Flagged - 5+ Methods	1,586	3 14%	6,451	6 81%	227	2 13%	2,483	3 10%	11,204	7 46%	**21,951**	5 68%
Opioid Prescriptions Flagged - 6+ Methods	449	0 89%	2,236	2 36%	35	0 33%	708	0 88%	3,732	2 49%	**7,160**	1 85%
Opioid Prescriptions Flagged - 7+ Methods	84	0 17%	531	0 56%	6	0 06%	139	0 17%	1,246	0 83%	**2,006**	0 52%
Opioid Prescriptions Flagged - 8+ Methods	27	0 05%	115	0 12%	0	0 00%	33	0 04%	367	0 24%	**542**	0 14%
Opioid Prescriptions Flagged - 9+ Methods	0	0 00%	25	0 03%	0	0 00%	5	0 01%	68	0 05%	**98**	0 03%
Opioid Prescriptions Flagged - 10+ Methods	0	0 00%	4	0 00%	0	0 00%	0	0 00%	14	0 01%	**18**	0 00%

Notes

Defendant	Date Range
CVS	January 1, 2006 to November 29, 2019
Giant Eagle/HBC	January 1, 2006 to December 3, 2019
Rite Aid	January 1, 2006 to November 19, 2019
Walgreens	January 3, 2006 to January 3, 2020
Wal-Mart	January 2, 2006 to April 25, 2018

D. Combination Red Flagged Prescriptions – Red Flag Computation 1-43 Summary and Chart

CONFIDENTIAL – SUBJECT TO PROTECTIVE ORDER

All Defendants
Combination Red Flagged Prescriptions Summary
Lake County and Trumbull County, OH

	Number of Combination Red Flagged Prescriptions	Total Number of Prescriptions
All Prescriptions	884,166	4,566,574
Opioid Prescriptions	690,028	3,342,140

Red Flag Computation	Flagged	%	%
Flagged for Any of the Red Flag Computation 1-43	884,166	100.0%	19.4%
Red Flag Computation 1	34,242	5.0%	1.0%
Red Flag Computation 2	190,395	27.6%	5.7%
Red Flag Computation 3	110,400	16.0%	3.3%
Red Flag Computation 4	54,788	7.9%	1.6%
Red Flag Computation 5	119,732	13.5%	2.6%
Red Flag Computation 6	33,481	3.8%	0.7%
Red Flag Computation 7	467,057	52.8%	10.2%
Red Flag Computation 8	311,492	35.2%	6.8%
Red Flag Computation 9	34,276	5.0%	1.0%
Red Flag Computation 10	51,282	7.4%	1.5%
Red Flag Computation 11	44,545	6.5%	1.3%
Red Flag Computation 12	72,146	10.5%	2.2%
Red Flag Computation 13	48,536	7.0%	1.5%
Red Flag Computation 14	12,802	1.9%	0.4%
Red Flag Computation 15	269,780	39.1%	8.1%
Red Flag Computation 16	38,600	5.6%	1.2%
Red Flag Computation 17	126,517	14.3%	2.8%
Red Flag Computation 18	45,910	6.7%	1.4%
Red Flag Computation 19	20,529	3.0%	0.6%
Red Flag Computation 20	56,604	8.2%	1.7%
Red Flag Computation 21	41,135	6.0%	1.2%
Red Flag Computation 22	1,361	0.2%	0.0%
Red Flag Computation 23	2,004	0.3%	0.1%
Red Flag Computation 24	76,714	11.1%	2.3%
Red Flag Computation 25	49,204	7.1%	1.5%
Red Flag Computation 26	45,394	6.6%	1.4%
Red Flag Computation 27	16	0.0%	0.0%
Red Flag Computation 28	817	0.1%	0.0%
Red Flag Computation 29	9,838	1.4%	0.3%
Red Flag Computation 30	44,442	6.4%	1.3%

All Defendants
Combination Red Flagged Prescriptions Summary
Lake County and Trumbull County, OH

	Number of Combination Red Flagged Prescriptions	Total Number of Prescriptions
All Prescriptions	884,166	4,566,574
Opioid Prescriptions	690,028	3,342,140

Red Flag Computation	Flagged	%	%
Red Flag Computation 31	47,492	6.9%	1.4%
Red Flag Computation 32	3,555	0.5%	0.1%
Red Flag Computation 33	24,452	3.5%	0.7%
Red Flag Computation 34	9,232	1.3%	0.3%
Red Flag Computation 35	93,449	13.5%	2.8%
Red Flag Computation 36	83,224	12.1%	2.5%
Red Flag Computation 37	1,756	0.3%	0.1%
Red Flag Computation 38	402,122	45.5%	8.8%
Red Flag Computation 39	32,179	3.6%	0.7%
Red Flag Computation 40	19,832	2.9%	0.6%
Red Flag Computation 41	162,598	18.4%	3.6%
Red Flag Computation 42	59,519	6.7%	1.3%
Red Flag Computation 43	1,646	0.2%	0.0%

Notes:

[1] I summarize the 884,166 prescriptions that were triggered by at least one of the initial 16 red flag computations (1-16), and by at least one of the subsequent 27 red flag computationss (17-43).

[2]

Defendant	Date Range
CVS	January 1, 2006 to November 29, 2019
Giant Eagle/HBC	January 1, 2006 to December 3, 2019
Rite Aid	January 1, 2006 to November 19, 2019
Walgreens	January 3, 2006 to January 3, 2020
Wal-Mart	January 2, 2006 to April 25, 2018

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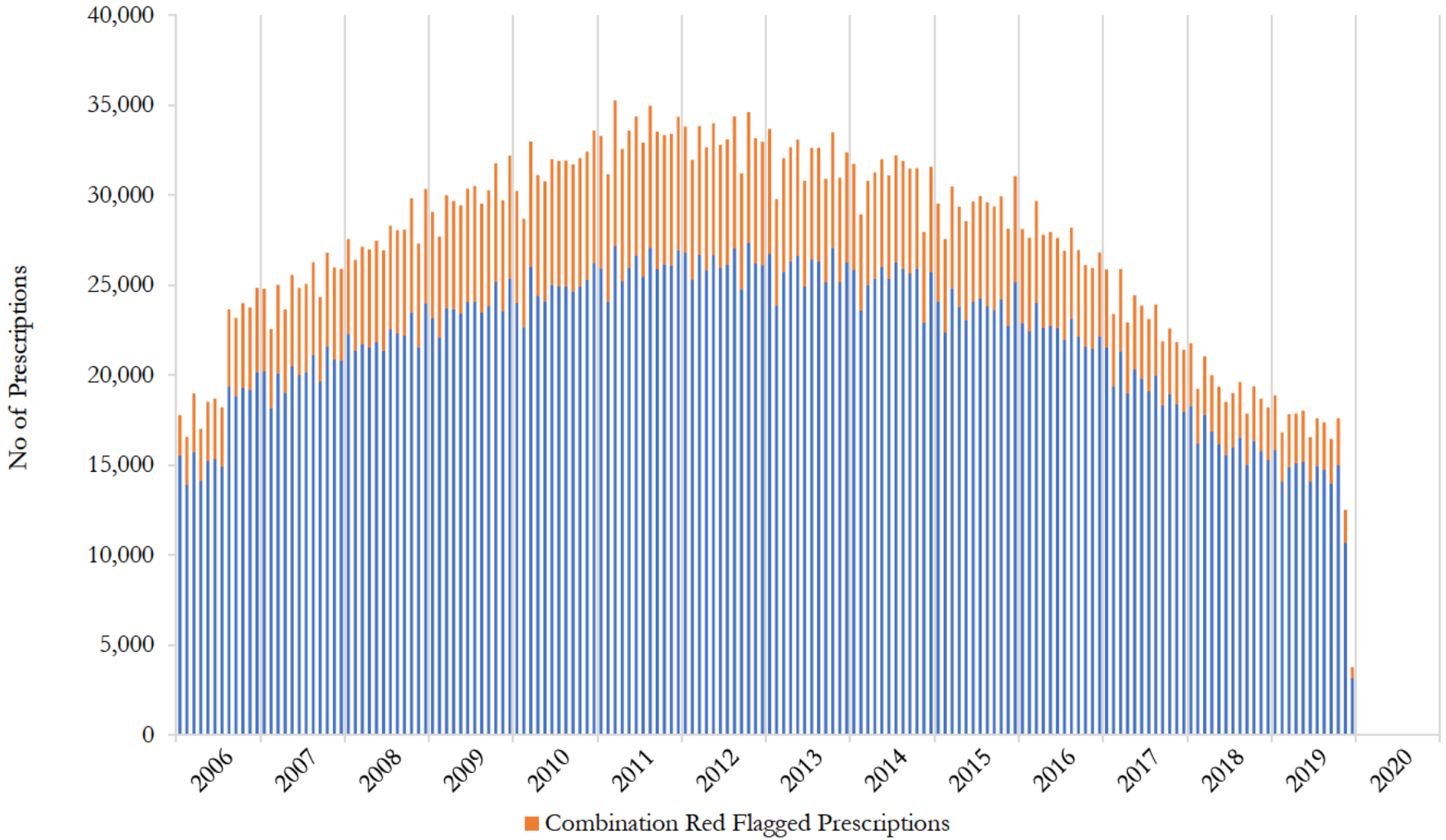
All Defendants Combination Red Flagged Prescriptions
Lake County and Trumbull County, OH



Defendant	Date Range
CVS	January 1, 2006 to November 29, 2019;
Giant Eagle/HBC	January 1, 2006 to December 3, 2019
Rite Aid	January 1, 2006 to November 19, 2019;
Walgreens	January 3, 2006 to January 3, 2020;
Wal-Mart	January 2, 2006 to April 25, 2018

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All Defendants
Combination Red Flagged Prescriptions Summary
Lake County, OH

	Number of Combination Red Flagged Prescriptions	Total Number of Prescriptions
All Prescriptions	367,021	2,123,739
Opioid Prescriptions	303,723	1,578,866

Red Flag Computation	Flagged	%	%
Flagged for Any of the Red Flag Computation 1-43	367,021	100.0%	17.3%
Red Flag Computation 1	21,897	7.2%	1.4%
Red Flag Computation 2	100,406	33.1%	6.4%
Red Flag Computation 3	48,190	15.9%	3.1%
Red Flag Computation 4	25,952	8.5%	1.6%
Red Flag Computation 5	51,399	14.0%	2.4%
Red Flag Computation 6	11,695	3.2%	0.6%
Red Flag Computation 7	169,604	46.2%	8.0%
Red Flag Computation 8	92,119	25.1%	4.3%
Red Flag Computation 9	14,337	4.7%	0.9%
Red Flag Computation 10	15,351	5.1%	1.0%
Red Flag Computation 11	13,427	4.4%	0.9%
Red Flag Computation 12	23,704	7.8%	1.5%
Red Flag Computation 13	17,762	5.8%	1.1%
Red Flag Computation 14	5,194	1.7%	0.3%
Red Flag Computation 15	122,079	40.2%	7.7%
Red Flag Computation 16	23,110	7.6%	1.5%
Red Flag Computation 17	64,081	17.5%	3.0%
Red Flag Computation 18	22,709	7.5%	1.4%
Red Flag Computation 19	10,238	3.4%	0.6%
Red Flag Computation 20	28,958	9.5%	1.8%
Red Flag Computation 21	21,196	7.0%	1.3%
Red Flag Computation 22	821	0.3%	0.1%
Red Flag Computation 23	1,213	0.4%	0.1%
Red Flag Computation 24	38,658	12.7%	2.4%
Red Flag Computation 25	16,964	5.6%	1.1%
Red Flag Computation 26	16,697	5.5%	1.1%
Red Flag Computation 27	6	0.0%	0.0%
Red Flag Computation 28	577	0.2%	0.0%
Red Flag Computation 29	4,027	1.3%	0.3%
Red Flag Computation 30	21,227	7.0%	1.3%

All Defendants
Combination Red Flagged Prescriptions Summary
Lake County, OH

	Number of Combination Red Flagged Prescriptions	Total Number of Prescriptions
All Prescriptions	367,021	2,123,739
Opioid Prescriptions	303,723	1,578,866

Red Flag Computation	Flagged	%	%
Red Flag Computation 31	19,423	6.4%	1.2%
Red Flag Computation 32	2,596	0.9%	0.2%
Red Flag Computation 33	7,877	2.6%	0.5%
Red Flag Computation 34	5,098	1.7%	0.3%
Red Flag Computation 35	40,937	13.5%	2.6%
Red Flag Computation 36	48,608	16.0%	3.1%
Red Flag Computation 37	1,267	0.4%	0.1%
Red Flag Computation 38	131,362	35.8%	6.2%
Red Flag Computation 39	11,212	3.1%	0.5%
Red Flag Computation 40	8,125	2.7%	0.5%
Red Flag Computation 41	46,443	12.7%	2.2%
Red Flag Computation 42	25,373	6.9%	1.2%
Red Flag Computation 43	893	0.2%	0.0%

Notes:

[1] I summarize the 367,021 prescriptions that were triggered by at least one of the initial 16 red flag computations (1-16), and by at least one of the subsequent 27 red flag computationss (17-43).

[2]

Defendant	Date Range
CVS	January 1, 2006 to November 29, 2019
Giant Eagle/HBC	January 1, 2006 to December 3, 2019
Rite Aid	January 1, 2006 to November 19, 2019
Walgreens	January 3, 2006 to January 3, 2020
Wal-Mart	January 2, 2006 to April 25, 2018

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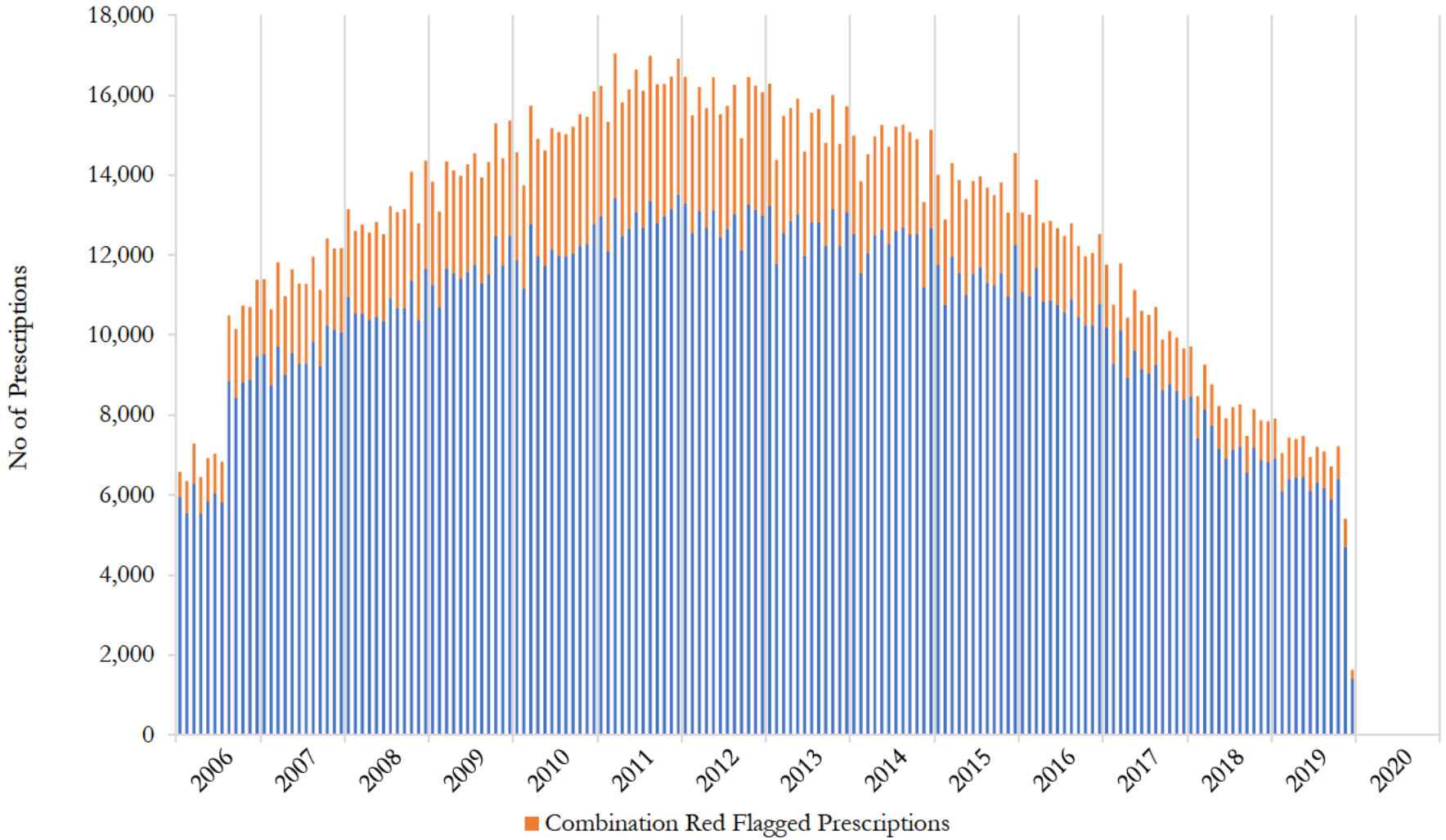
All Defendants Combination Red Flagged Prescriptions
Lake County, OH



Defendant	Date Range
CVS	January 1, 2006 to November 29, 2019;
Giant Eagle/HBC	January 1, 2006 to December 3, 2019
Rite Aid	January 1, 2006 to November 19, 2019;
Walgreens	January 3, 2006 to January 3, 2020;
Wal-Mart	January 2, 2006 to April 25, 2018

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All Defendants
Combination Red Flagged Prescriptions Summary
Trumbull County, OH

	Number of Combination Red Flagged Prescriptions	Total Number of Prescriptions
All Prescriptions	517,145	2,442,835
Opioid Prescriptions	386,305	1,763,274

Red Flag Computation	Flagged	%	%
Flagged for Any of the Red Flag Computation 1-43	517,145	100.0%	21.2%
Red Flag Computation 1	12,345	3.2%	0.7%
Red Flag Computation 2	89,989	23.3%	5.1%
Red Flag Computation 3	62,210	16.1%	3.5%
Red Flag Computation 4	28,836	7.5%	1.6%
Red Flag Computation 5	68,333	13.2%	2.8%
Red Flag Computation 6	21,786	4.2%	0.9%
Red Flag Computation 7	297,453	57.5%	12.2%
Red Flag Computation 8	219,373	42.4%	9.0%
Red Flag Computation 9	19,939	5.2%	1.1%
Red Flag Computation 10	35,931	9.3%	2.0%
Red Flag Computation 11	31,118	8.1%	1.8%
Red Flag Computation 12	48,442	12.5%	2.7%
Red Flag Computation 13	30,774	8.0%	1.7%
Red Flag Computation 14	7,608	2.0%	0.4%
Red Flag Computation 15	147,701	38.2%	8.4%
Red Flag Computation 16	15,490	4.0%	0.9%
Red Flag Computation 17	62,436	12.1%	2.6%
Red Flag Computation 18	23,201	6.0%	1.3%
Red Flag Computation 19	10,291	2.7%	0.6%
Red Flag Computation 20	27,646	7.2%	1.6%
Red Flag Computation 21	19,939	5.2%	1.1%
Red Flag Computation 22	540	0.1%	0.0%
Red Flag Computation 23	791	0.2%	0.0%
Red Flag Computation 24	38,056	9.9%	2.2%
Red Flag Computation 25	32,240	8.3%	1.8%
Red Flag Computation 26	28,697	7.4%	1.6%
Red Flag Computation 27	10	0.0%	0.0%
Red Flag Computation 28	240	0.1%	0.0%
Red Flag Computation 29	5,811	1.5%	0.3%
Red Flag Computation 30	23,215	6.0%	1.3%

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All Defendants
Combination Red Flagged Prescriptions Summary
Trumbull County, OH

	Number of Combination Red Flagged Prescriptions	Total Number of Prescriptions
All Prescriptions	517,145	2,442,835
Opioid Prescriptions	386,305	1,763,274

Red Flag Computation	Flagged	%	%
Red Flag Computation 31	28,069	7.3%	1.6%
Red Flag Computation 32	959	0.2%	0.1%
Red Flag Computation 33	16,575	4.3%	0.9%
Red Flag Computation 34	4,134	1.1%	0.2%
Red Flag Computation 35	52,512	13.6%	3.0%
Red Flag Computation 36	34,616	9.0%	2.0%
Red Flag Computation 37	489	0.1%	0.0%
Red Flag Computation 38	270,760	52.4%	11.1%
Red Flag Computation 39	20,967	4.1%	0.9%
Red Flag Computation 40	11,707	3.0%	0.7%
Red Flag Computation 41	116,155	22.5%	4.8%
Red Flag Computation 42	34,146	6.6%	1.4%
Red Flag Computation 43	753	0.1%	0.0%

Notes:

[1] I summarize the 517,145 prescriptions that were triggered by at least one of the initial 16 red flag computations (1-16), and by at least one of the subsequent 27 red flag computationss (17-43).

[2]

Defendant	Date Range
CVS	January 1, 2006 to November 29, 2019
Giant Eagle/HBC	January 1, 2006 to December 3, 2019
Rite Aid	January 1, 2006 to November 19, 2019
Walgreens	January 3, 2006 to January 3, 2020
Wal-Mart	January 2, 2006 to April 25, 2018

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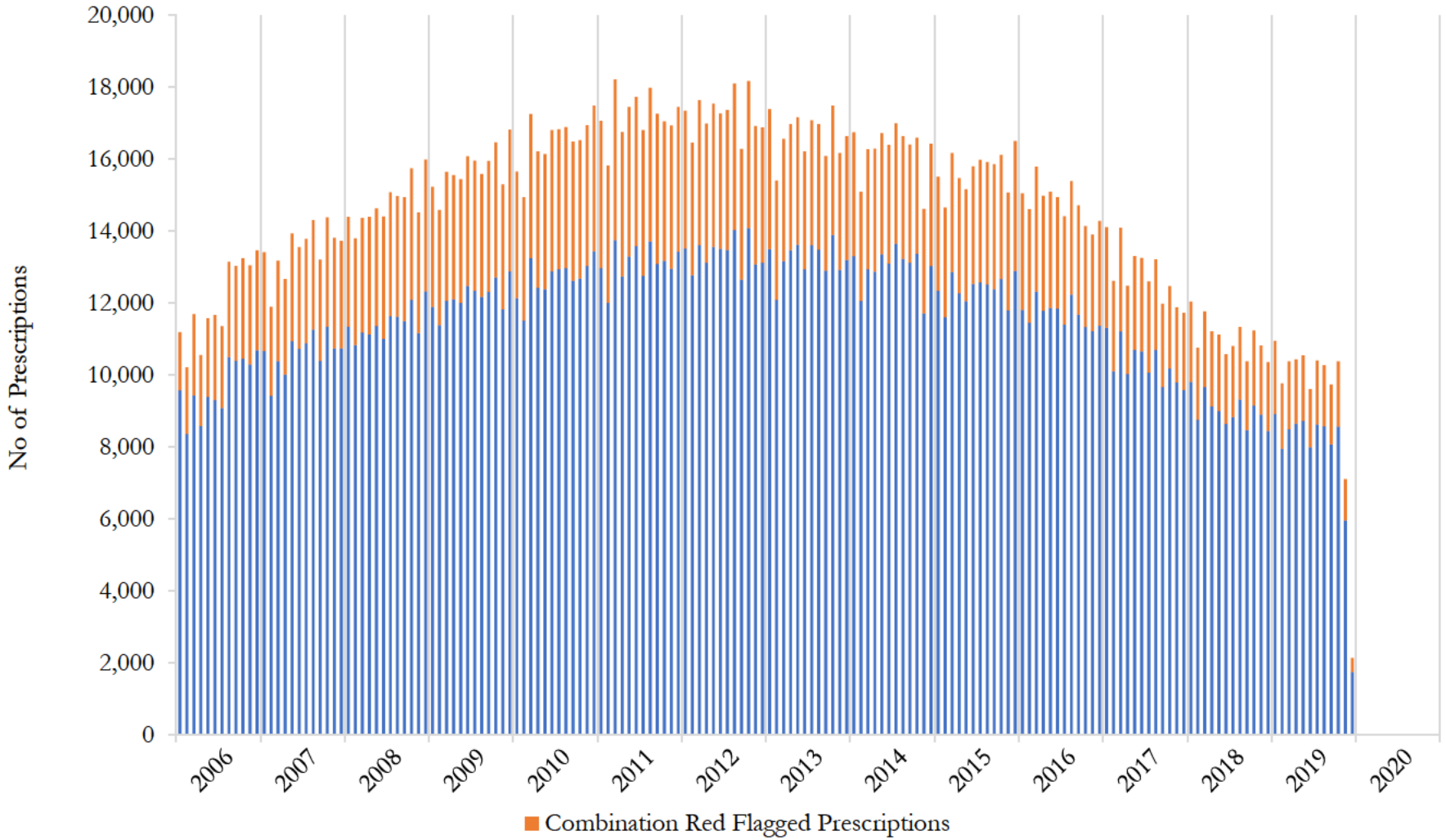
All Defendants Combination Red Flagged Prescriptions
Trumbull County, OH



Defendant	Date Range
CVS	January 1, 2006 to November 29, 2019;
Giant Eagle/HBC	January 1, 2006 to December 3, 2019
Rite Aid	January 1, 2006 to November 19, 2019;
Walgreens	January 3, 2006 to January 3, 2020;
Wal-Mart	January 2, 2006 to April 25, 2018

CONFIDENTIAL – SUBJECT TO PROTECTIVE ORDER

CVS
Combination Red Flagged Prescriptions Summary
Lake County and Trumbull County, OH

	Number of Combination Red Flagged Prescriptions	Total Number of Prescriptions
All Prescriptions	175,254	851,198
Opioid Prescriptions	141,651	701,467

Red Flag Computation	Flagged	%	%
Flagged for Any of the Red Flag Computation 1-43	175,254	100.0%	20.6%
Red Flag Computation 1	7,210	5.1%	1.0%
Red Flag Computation 2	53,820	38.0%	7.7%
Red Flag Computation 3	21,929	15.5%	3.1%
Red Flag Computation 4	10,682	7.5%	1.5%
Red Flag Computation 5	22,885	13.1%	2.7%
Red Flag Computation 6	6,120	3.5%	0.7%
Red Flag Computation 7	84,777	48.4%	10.0%
Red Flag Computation 8	52,525	30.0%	6.2%
Red Flag Computation 9	5,158	3.6%	0.7%
Red Flag Computation 10	5,372	3.8%	0.8%
Red Flag Computation 11	4,388	3.1%	0.6%
Red Flag Computation 12	11,786	8.3%	1.7%
Red Flag Computation 13	7,845	5.5%	1.1%
Red Flag Computation 14	2,508	1.8%	0.4%
Red Flag Computation 15	45,571	32.2%	6.5%
Red Flag Computation 16	12,043	8.5%	1.7%
Red Flag Computation 17	30,989	17.7%	3.6%
Red Flag Computation 18	11,351	8.0%	1.6%
Red Flag Computation 19	4,814	3.4%	0.7%
Red Flag Computation 20	12,036	8.5%	1.7%
Red Flag Computation 21	10,086	7.1%	1.4%
Red Flag Computation 22	283	0.2%	0.0%
Red Flag Computation 23	390	0.3%	0.1%
Red Flag Computation 24	13,851	9.8%	2.0%
Red Flag Computation 25	8,297	5.9%	1.2%
Red Flag Computation 26	6,829	4.8%	1.0%
Red Flag Computation 27	3	0.0%	0.0%
Red Flag Computation 28	77	0.1%	0.0%
Red Flag Computation 29	1,931	1.4%	0.3%
Red Flag Computation 30	7,698	5.4%	1.1%

CVS
Combination Red Flagged Prescriptions Summary
Lake County and Trumbull County, OH

	Number of Combination Red Flagged Prescriptions	Total Number of Prescriptions
All Prescriptions	175,254	851,198
Opioid Prescriptions	141,651	701,467

Red Flag Computation	Flagged	%	%
Red Flag Computation 31	7,431	5.2%	1.1%
Red Flag Computation 32	1,069	0.8%	0.2%
Red Flag Computation 33	2,247	1.6%	0.3%
Red Flag Computation 34	1,143	0.8%	0.2%
Red Flag Computation 35	17,965	12.7%	2.6%
Red Flag Computation 36	31,272	22.1%	4.5%
Red Flag Computation 37	247	0.2%	0.0%
Red Flag Computation 38	70,124	40.0%	8.2%
Red Flag Computation 39	5,680	3.2%	0.7%
Red Flag Computation 40	1,739	1.2%	0.2%
Red Flag Computation 41	24,719	14.1%	2.9%
Red Flag Computation 42	9,939	5.7%	1.2%
Red Flag Computation 43	535	0.3%	0.1%

Notes:

[1] I summarize the 175,254 prescriptions that were triggered by at least one of the initial 16 red flag computations (1-16), and by at least one of the subsequent 27 red flag computationss (17-43).

[2]

Defendant	Date Range
CVS	January 1, 2006 to November 29, 2019
Giant Eagle/HBC	January 1, 2006 to December 3, 2019
Rite Aid	January 1, 2006 to November 19, 2019
Walgreens	January 3, 2006 to January 3, 2020
Wal-Mart	January 2, 2006 to April 25, 2018

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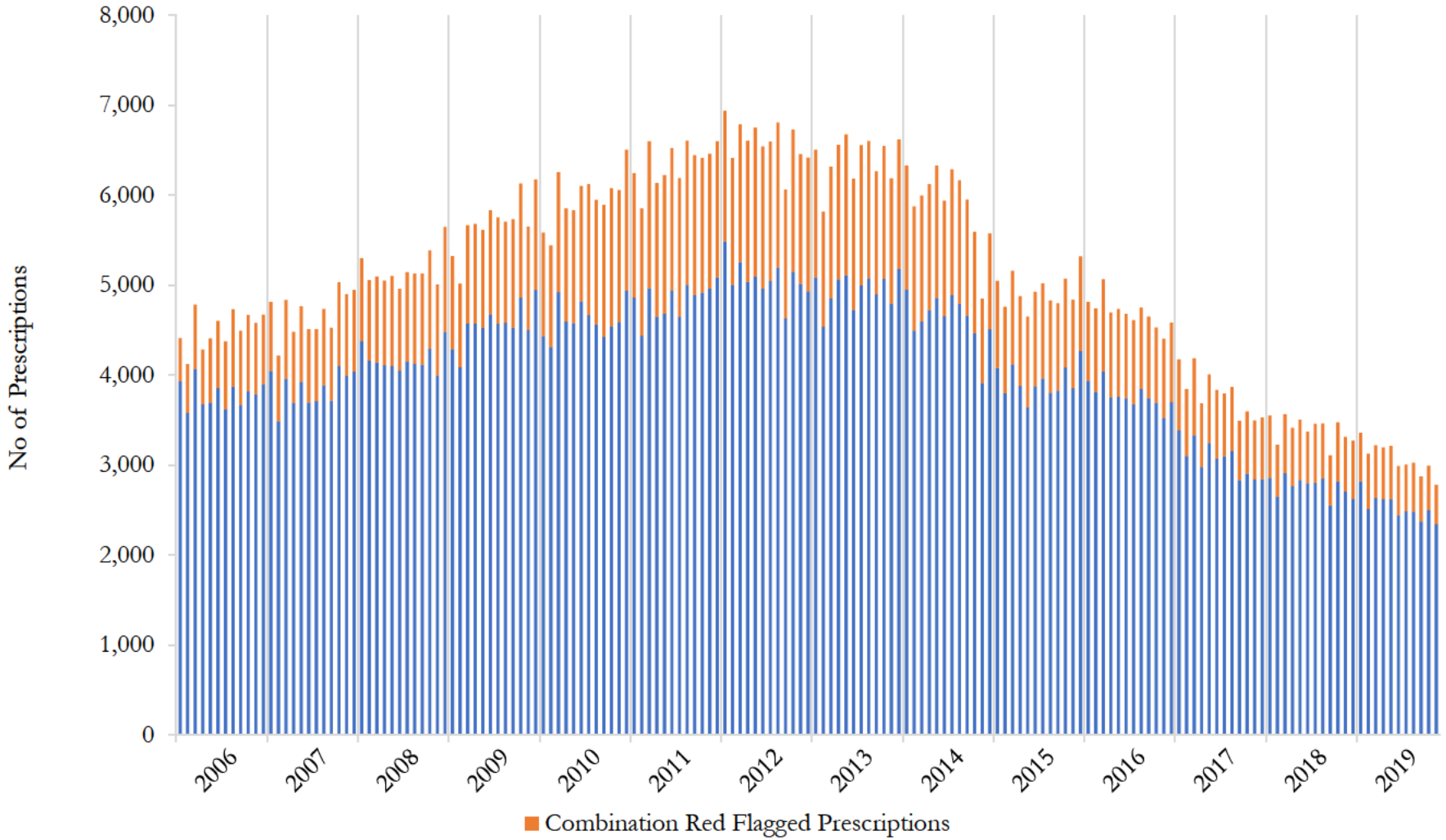
CVS Combination Red Flagged Prescriptions
Lake County and Trumbull County, OH



Defendant	Date Range
CVS	January 1, 2006 to November 29, 2019;
Giant Eagle/HBC	January 1, 2006 to December 3, 2019
Rite Aid	January 1, 2006 to November 19, 2019;
Walgreens	January 3, 2006 to January 3, 2020;
Wal-Mart	January 2, 2006 to April 25, 2018

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CVS
Combination Red Flagged Prescriptions Summary
Lake County, OH

	Number of Combination Red Flagged Prescriptions	Total Number of Prescriptions
All Prescriptions	107,190	539,147
Opioid Prescriptions	91,066	448,762

Red Flag Computation	Flagged	%	%
Flagged for Any of the Red Flag Computation 1-43	107,190	100.0%	19.9%
Red Flag Computation 1	5,633	6.2%	1.3%
Red Flag Computation 2	35,166	38.6%	7.8%
Red Flag Computation 3	13,545	14.9%	3.0%
Red Flag Computation 4	8,502	9.3%	1.9%
Red Flag Computation 5	13,725	12.8%	2.5%
Red Flag Computation 6	3,058	2.9%	0.6%
Red Flag Computation 7	45,941	42.9%	8.5%
Red Flag Computation 8	23,649	22.1%	4.4%
Red Flag Computation 9	3,220	3.5%	0.7%
Red Flag Computation 10	3,637	4.0%	0.8%
Red Flag Computation 11	3,203	3.5%	0.7%
Red Flag Computation 12	9,743	10.7%	2.2%
Red Flag Computation 13	6,303	6.9%	1.4%
Red Flag Computation 14	1,630	1.8%	0.4%
Red Flag Computation 15	31,268	34.3%	7.0%
Red Flag Computation 16	8,130	8.9%	1.8%
Red Flag Computation 17	19,153	17.9%	3.6%
Red Flag Computation 18	7,153	7.9%	1.6%
Red Flag Computation 19	3,076	3.4%	0.7%
Red Flag Computation 20	8,183	9.0%	1.8%
Red Flag Computation 21	6,538	7.2%	1.5%
Red Flag Computation 22	230	0.3%	0.1%
Red Flag Computation 23	323	0.4%	0.1%
Red Flag Computation 24	11,600	12.7%	2.6%
Red Flag Computation 25	7,060	7.8%	1.6%
Red Flag Computation 26	5,569	6.1%	1.2%
Red Flag Computation 27	3	0.0%	0.0%
Red Flag Computation 28	75	0.1%	0.0%
Red Flag Computation 29	1,241	1.4%	0.3%
Red Flag Computation 30	5,186	5.7%	1.2%

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CVS
Combination Red Flagged Prescriptions Summary
Lake County, OH

	Number of Combination Red Flagged Prescriptions	Total Number of Prescriptions
All Prescriptions	107,190	539,147
Opioid Prescriptions	91,066	448,762

Red Flag Computation	Flagged	%	%
Red Flag Computation 31	4,325	4.7%	1.0%
Red Flag Computation 32	947	1.0%	0.2%
Red Flag Computation 33	1,692	1.9%	0.4%
Red Flag Computation 34	808	0.9%	0.2%
Red Flag Computation 35	13,156	14.4%	2.9%
Red Flag Computation 36	21,859	24.0%	4.9%
Red Flag Computation 37	226	0.2%	0.1%
Red Flag Computation 38	34,180	31.9%	6.3%
Red Flag Computation 39	2,833	2.6%	0.5%
Red Flag Computation 40	958	1.1%	0.2%
Red Flag Computation 41	10,503	9.8%	1.9%
Red Flag Computation 42	6,360	5.9%	1.2%
Red Flag Computation 43	249	0.2%	0.0%

Notes:

[1] I summarize the 107,190 prescriptions that were triggered by at least one of the initial 16 red flag computations (1-16), and by at least one of the subsequent 27 red flag computationss (17-43).

[2]

Defendant	Date Range
CVS	January 1, 2006 to November 29, 2019
Giant Eagle/HBC	January 1, 2006 to December 3, 2019
Rite Aid	January 1, 2006 to November 19, 2019
Walgreens	January 3, 2006 to January 3, 2020
Wal-Mart	January 2, 2006 to April 25, 2018

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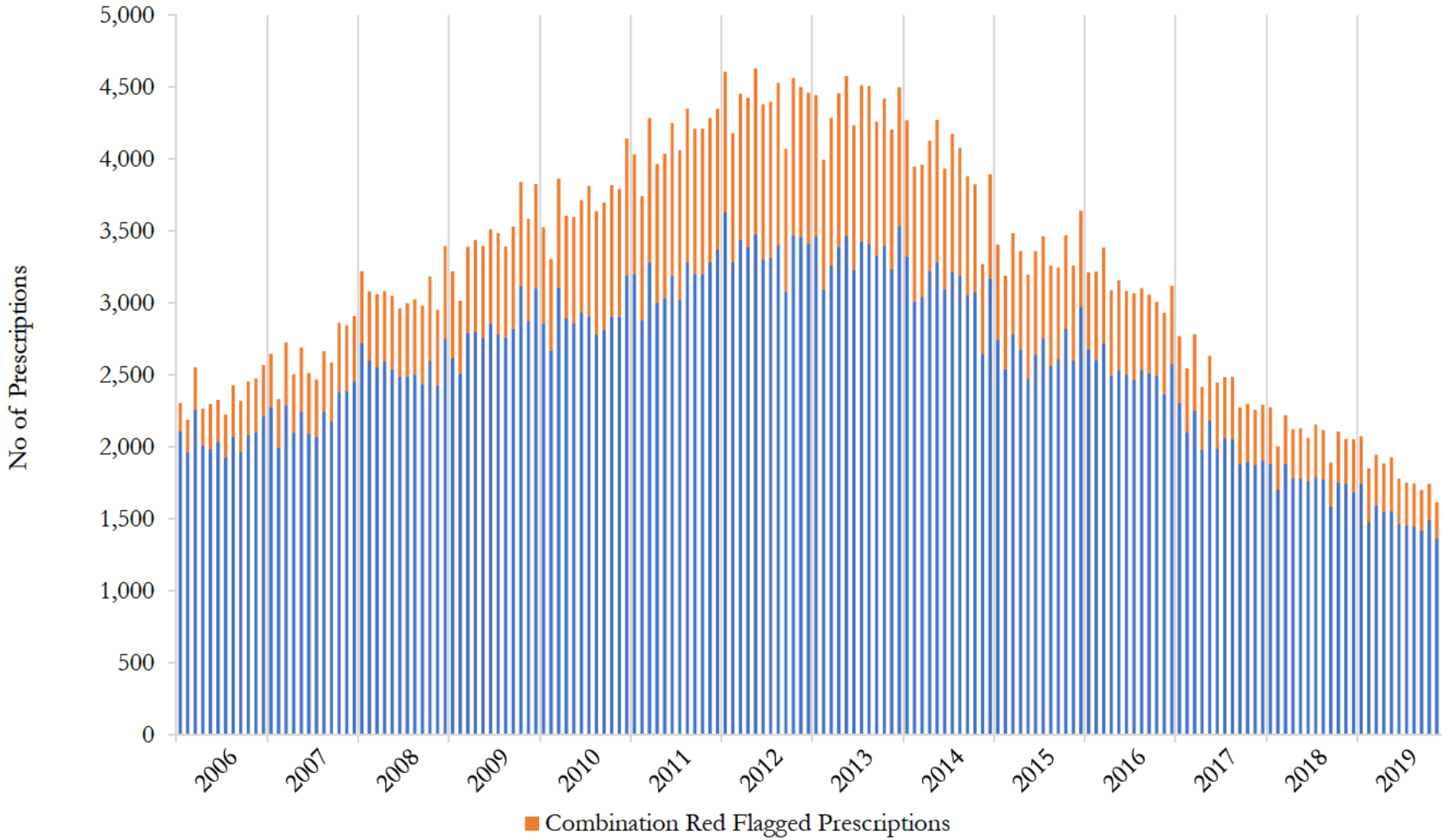
CVS Combination Red Flagged Prescriptions
Lake County, OH



Defendant	Date Range
CVS	January 1, 2006 to November 29, 2019;
Giant Eagle/HBC	January 1, 2006 to December 3, 2019
Rite Aid	January 1, 2006 to November 19, 2019;
Walgreens	January 3, 2006 to January 3, 2020;
Wal-Mart	January 2, 2006 to April 25, 2018

CONFIDENTIAL – SUBJECT TO PROTECTIVE ORDER

CVS
Combination Red Flagged Prescriptions Summary
Trumbull County, OH

	Number of Combination Red Flagged Prescriptions	Total Number of Prescriptions
All Prescriptions	68,064	312,051
Opioid Prescriptions	50,585	252,705

Red Flag Computation	Flagged	%	%
Flagged for Any of the Red Flag Computation 1-43	68,064	100.0%	21.8%
Red Flag Computation 1	1,577	3.1%	0.6%
Red Flag Computation 2	18,654	36.9%	7.4%
Red Flag Computation 3	8,384	16.6%	3.3%
Red Flag Computation 4	2,180	4.3%	0.9%
Red Flag Computation 5	9,160	13.5%	2.9%
Red Flag Computation 6	3,062	4.5%	1.0%
Red Flag Computation 7	38,836	57.1%	12.4%
Red Flag Computation 8	28,876	42.4%	9.3%
Red Flag Computation 9	1,938	3.8%	0.8%
Red Flag Computation 10	1,735	3.4%	0.7%
Red Flag Computation 11	1,185	2.3%	0.5%
Red Flag Computation 12	2,043	4.0%	0.8%
Red Flag Computation 13	1,542	3.0%	0.6%
Red Flag Computation 14	878	1.7%	0.3%
Red Flag Computation 15	14,303	28.3%	5.7%
Red Flag Computation 16	3,913	7.7%	1.5%
Red Flag Computation 17	11,836	17.4%	3.8%
Red Flag Computation 18	4,198	8.3%	1.7%
Red Flag Computation 19	1,738	3.4%	0.7%
Red Flag Computation 20	3,853	7.6%	1.5%
Red Flag Computation 21	3,548	7.0%	1.4%
Red Flag Computation 22	53	0.1%	0.0%
Red Flag Computation 23	67	0.1%	0.0%
Red Flag Computation 24	2,251	4.4%	0.9%
Red Flag Computation 25	1,237	2.4%	0.5%
Red Flag Computation 26	1,260	2.5%	0.5%
Red Flag Computation 27	0	0.0%	0.0%
Red Flag Computation 28	2	0.0%	0.0%
Red Flag Computation 29	690	1.4%	0.3%
Red Flag Computation 30	2,512	5.0%	1.0%

CONFIDENTIAL – SUBJECT TO PROTECTIVE ORDER

CVS
Combination Red Flagged Prescriptions Summary
Trumbull County, OH

	Number of Combination Red Flagged Prescriptions	Total Number of Prescriptions
All Prescriptions	68,064	312,051
Opioid Prescriptions	50,585	252,705

Red Flag Computation	Flagged	%	%
Red Flag Computation 31	3,106	6.1%	1.2%
Red Flag Computation 32	122	0.2%	0.0%
Red Flag Computation 33	555	1.1%	0.2%
Red Flag Computation 34	335	0.7%	0.1%
Red Flag Computation 35	4,809	9.5%	1.9%
Red Flag Computation 36	9,413	18.6%	3.7%
Red Flag Computation 37	21	0.0%	0.0%
Red Flag Computation 38	35,944	52.8%	11.5%
Red Flag Computation 39	2,847	4.2%	0.9%
Red Flag Computation 40	781	1.5%	0.3%
Red Flag Computation 41	14,216	20.9%	4.6%
Red Flag Computation 42	3,579	5.3%	1.1%
Red Flag Computation 43	286	0.4%	0.1%

Notes:

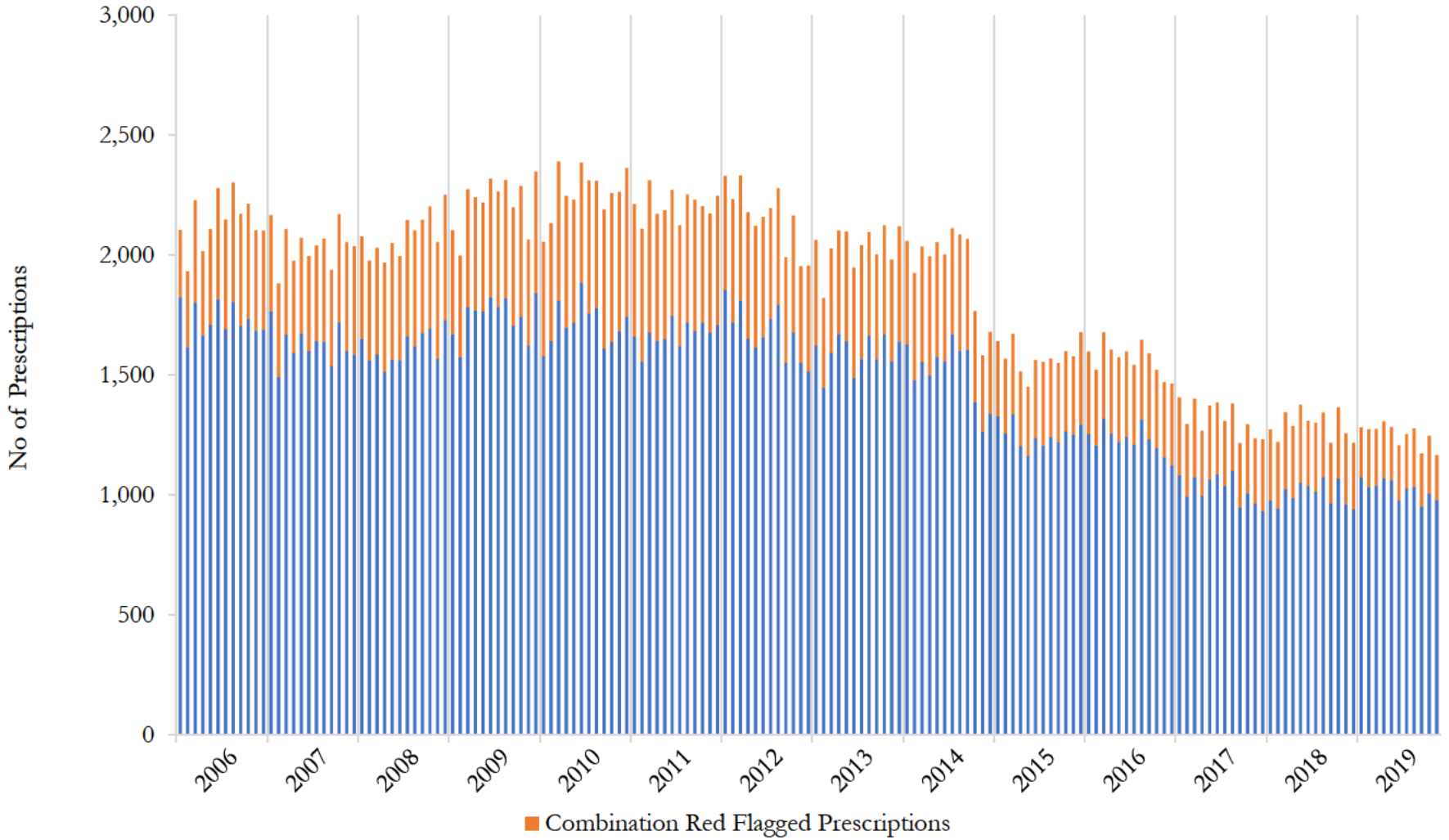
[1] I summarize the 68,064 prescriptions that were triggered by at least one of the initial 16 red flag computations (1-16), and by at least one of the subsequent 27 red flag computationss (17-43).

[2]

Defendant	Date Range
CVS	January 1, 2006 to November 29, 2019
Giant Eagle/HBC	January 1, 2006 to December 3, 2019
Rite Aid	January 1, 2006 to November 19, 2019
Walgreens	January 3, 2006 to January 3, 2020
Wal-Mart	January 2, 2006 to April 25, 2018

CONFIDENTIAL - SUBJECT TO PROTECTIVE ORDER

CVS Combination Red Flagged Prescriptions
Trumbull County, OH



Defendant	Date Range
CVS	January 1, 2006 to November 29, 2019;
Giant Eagle/HBC	January 1, 2006 to December 3, 2019
Rite Aid	January 1, 2006 to November 19, 2019;
Walgreens	January 3, 2006 to January 3, 2020;
Wal-Mart	January 2, 2006 to April 25, 2018

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Giant Eagle/HBC
Combination Red Flagged Prescriptions Summary
Lake County and Trumbull County, OH

	Number of Combination Red Flagged Prescriptions	Total Number of Prescriptions
All Prescriptions	164,698	1,399,920
Opioid Prescriptions	125,994	774,690

Red Flag Computation	Flagged	%	%
Flagged for Any of the Red Flag Computation 1-43	164,698	100.0%	11.8%
Red Flag Computation 1	2,889	2.3%	0.4%
Red Flag Computation 2	29,231	23.2%	3.8%
Red Flag Computation 3	21,885	17.4%	2.8%
Red Flag Computation 4	6,221	4.9%	0.8%
Red Flag Computation 5	21,386	13.0%	1.5%
Red Flag Computation 6	6,262	3.8%	0.4%
Red Flag Computation 7	89,220	54.2%	6.4%
Red Flag Computation 8	61,969	37.6%	4.4%
Red Flag Computation 9	4,768	3.8%	0.6%
Red Flag Computation 10	4,148	3.3%	0.5%
Red Flag Computation 11	3,138	2.5%	0.4%
Red Flag Computation 12	7,075	5.6%	0.9%
Red Flag Computation 13	19,624	15.6%	2.5%
Red Flag Computation 14	3,450	2.7%	0.4%
Red Flag Computation 15	38,025	30.2%	4.9%
Red Flag Computation 16	5,692	4.5%	0.7%
Red Flag Computation 17	16,808	10.2%	1.2%
Red Flag Computation 18	9,842	7.8%	1.3%
Red Flag Computation 19	4,091	3.2%	0.5%
Red Flag Computation 20	11,311	9.0%	1.5%
Red Flag Computation 21	7,632	6.1%	1.0%
Red Flag Computation 22	119	0.1%	0.0%
Red Flag Computation 23	114	0.1%	0.0%
Red Flag Computation 24	9,040	7.2%	1.2%
Red Flag Computation 25	6,505	5.2%	0.8%
Red Flag Computation 26	19,583	15.5%	2.5%
Red Flag Computation 27	0	0.0%	0.0%
Red Flag Computation 28	4	0.0%	0.0%
Red Flag Computation 29	2,663	2.1%	0.3%
Red Flag Computation 30	9,073	7.2%	1.2%

Giant Eagle/HBC
Combination Red Flagged Prescriptions Summary
Lake County and Trumbull County, OH

	Number of Combination Red Flagged Prescriptions	Total Number of Prescriptions
All Prescriptions	164,698	1,399,920
Opioid Prescriptions	125,994	774,690

Red Flag Computation	Flagged	%	%
Red Flag Computation 31	7,066	5.6%	0.9%
Red Flag Computation 32	343	0.3%	0.0%
Red Flag Computation 33	2,421	1.9%	0.3%
Red Flag Computation 34	1,850	1.5%	0.2%
Red Flag Computation 35	11,741	9.3%	1.5%
Red Flag Computation 36	9,856	7.8%	1.3%
Red Flag Computation 37	354	0.3%	0.0%
Red Flag Computation 38	78,982	48.0%	5.6%
Red Flag Computation 39	6,177	3.8%	0.4%
Red Flag Computation 40	3,047	2.4%	0.4%
Red Flag Computation 41	27,997	17.0%	2.0%
Red Flag Computation 42	11,386	6.9%	0.8%
Red Flag Computation 43	175	0.1%	0.0%

Notes:

[1] I summarize the 164,698 prescriptions that were triggered by at least one of the initial 16 red flag computations (1-16), and by at least one of the subsequent 27 red flag computationss (17-43).

[2]

Defendant	Date Range
CVS	January 1, 2006 to November 29, 2019
Giant Eagle/HBC	January 1, 2006 to December 3, 2019
Rite Aid	January 1, 2006 to November 19, 2019
Walgreens	January 3, 2006 to January 3, 2020
Wal-Mart	January 2, 2006 to April 25, 2018

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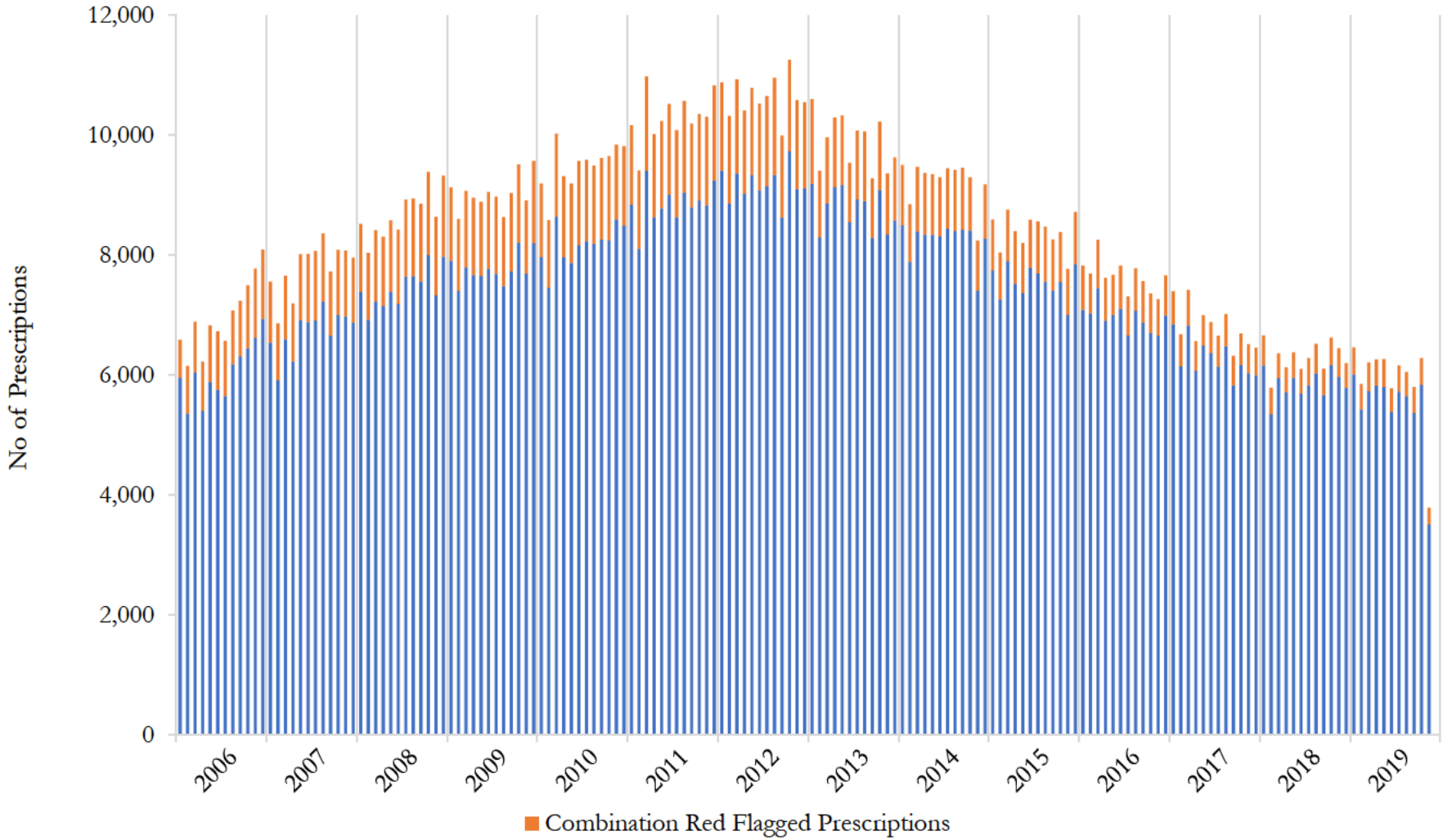
Giant Eagle/HBC Combination Red Flagged Prescriptions
Lake County and Trumbull County, OH



Defendant	Date Range
CVS	January 1, 2006 to November 29, 2019;
Giant Eagle/HBC	January 1, 2006 to December 3, 2019
Rite Aid	January 1, 2006 to November 19, 2019;
Walgreens	January 3, 2006 to January 3, 2020;
Wal-Mart	January 2, 2006 to April 25, 2018

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Giant Eagle/HBC
Combination Red Flagged Prescriptions Summary
Lake County, OH

	Number of Combination Red Flagged Prescriptions	Total Number of Prescriptions
All Prescriptions	56,913	596,575
Opioid Prescriptions	45,795	325,813

Red Flag Computation	Flagged	%	%
Flagged for Any of the Red Flag Computation 1-43	56,913	100.0%	9.5%
Red Flag Computation 1	1,791	3.9%	0.5%
Red Flag Computation 2	13,128	28.7%	4.0%
Red Flag Computation 3	7,742	16.9%	2.4%
Red Flag Computation 4	2,710	5.9%	0.8%
Red Flag Computation 5	7,102	12.5%	1.2%
Red Flag Computation 6	1,708	3.0%	0.3%
Red Flag Computation 7	27,418	48.2%	4.6%
Red Flag Computation 8	17,163	30.2%	2.9%
Red Flag Computation 9	1,815	4.0%	0.6%
Red Flag Computation 10	1,000	2.2%	0.3%
Red Flag Computation 11	639	1.4%	0.2%
Red Flag Computation 12	1,936	4.2%	0.6%
Red Flag Computation 13	5,401	11.8%	1.7%
Red Flag Computation 14	1,246	2.7%	0.4%
Red Flag Computation 15	12,859	28.1%	3.9%
Red Flag Computation 16	3,106	6.8%	1.0%
Red Flag Computation 17	7,570	13.3%	1.3%
Red Flag Computation 18	4,079	8.9%	1.3%
Red Flag Computation 19	1,675	3.7%	0.5%
Red Flag Computation 20	4,648	10.1%	1.4%
Red Flag Computation 21	3,051	6.7%	0.9%
Red Flag Computation 22	76	0.2%	0.0%
Red Flag Computation 23	65	0.1%	0.0%
Red Flag Computation 24	4,331	9.5%	1.3%
Red Flag Computation 25	1,753	3.8%	0.5%
Red Flag Computation 26	5,398	11.8%	1.7%
Red Flag Computation 27	0	0.0%	0.0%
Red Flag Computation 28	0	0.0%	0.0%
Red Flag Computation 29	998	2.2%	0.3%
Red Flag Computation 30	3,719	8.1%	1.1%

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Giant Eagle/HBC
Combination Red Flagged Prescriptions Summary
Lake County, OH

	Number of Combination Red Flagged Prescriptions	Total Number of Prescriptions
All Prescriptions	56,913	596,575
Opioid Prescriptions	45,795	325,813

Red Flag Computation	Flagged	%	%
Red Flag Computation 31	2,418	5.3%	0.7%
Red Flag Computation 32	200	0.4%	0.1%
Red Flag Computation 33	568	1.2%	0.2%
Red Flag Computation 34	959	2.1%	0.3%
Red Flag Computation 35	3,859	8.4%	1.2%
Red Flag Computation 36	5,000	10.9%	1.5%
Red Flag Computation 37	182	0.4%	0.1%
Red Flag Computation 38	23,075	40.5%	3.9%
Red Flag Computation 39	1,704	3.0%	0.3%
Red Flag Computation 40	992	2.2%	0.3%
Red Flag Computation 41	6,189	10.9%	1.0%
Red Flag Computation 42	3,548	6.2%	0.6%
Red Flag Computation 43	96	0.2%	0.0%

Notes:

[1] I summarize the 56,913 prescriptions that were triggered by at least one of the initial 16 red flag computations (1-16), and by at least one of the subsequent 27 red flag computationss (17-43).

[2]

Defendant	Date Range
CVS	January 1, 2006 to November 29, 2019
Giant Eagle/HBC	January 1, 2006 to December 3, 2019
Rite Aid	January 1, 2006 to November 19, 2019
Walgreens	January 3, 2006 to January 3, 2020
Wal-Mart	January 2, 2006 to April 25, 2018

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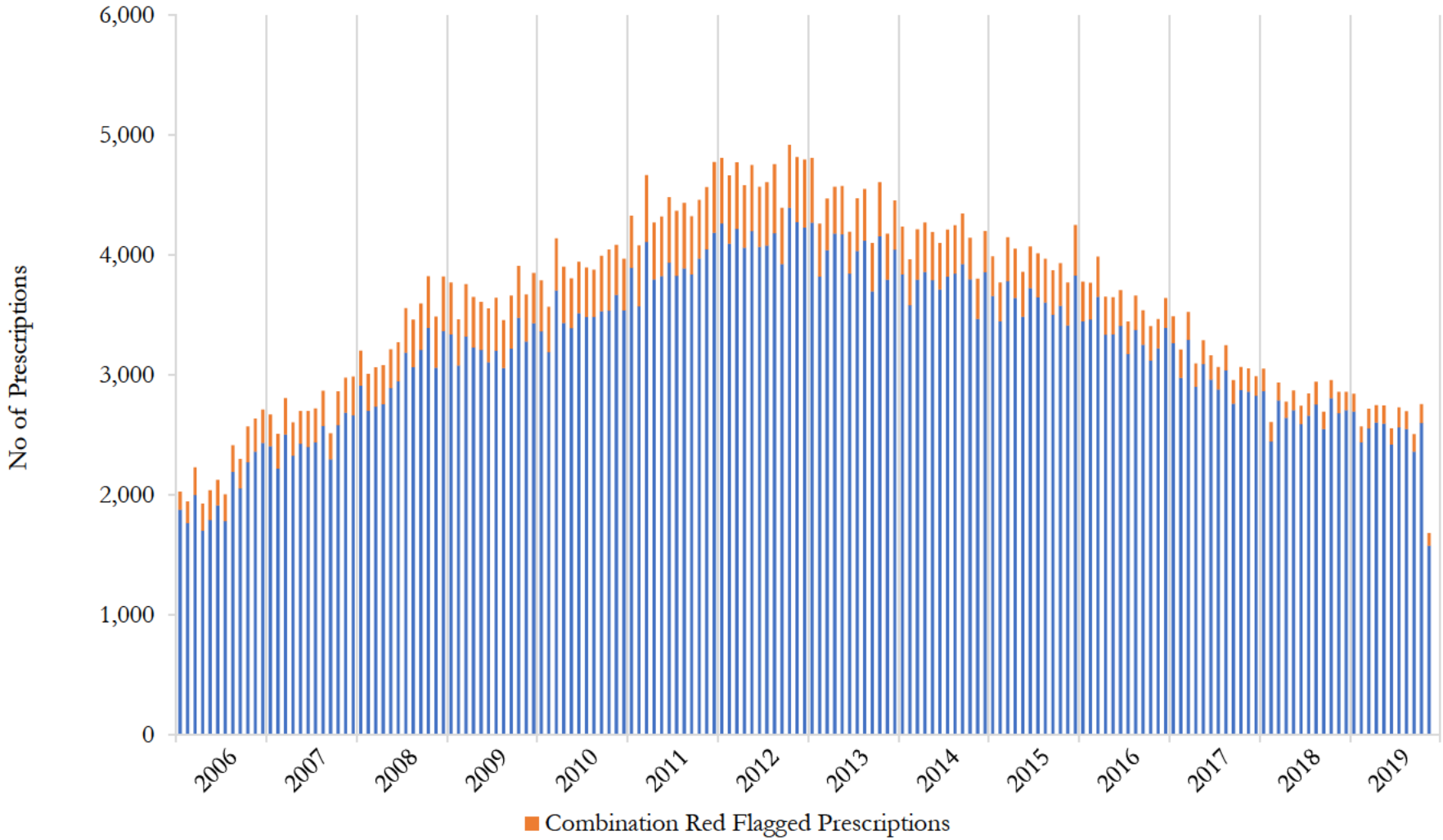
Giant Eagle/HBC Combination Red Flagged Prescriptions
Lake County, OH



Defendant	Date Range
CVS	January 1, 2006 to November 29, 2019;
Giant Eagle/HBC	January 1, 2006 to December 3, 2019
Rite Aid	January 1, 2006 to November 19, 2019;
Walgreens	January 3, 2006 to January 3, 2020;
Wal-Mart	January 2, 2006 to April 25, 2018

CONFIDENTIAL – SUBJECT TO PROTECTIVE ORDER

Giant Eagle/HBC
Combination Red Flagged Prescriptions Summary
Trumbull County, OH

	Number of Combination Red Flagged Prescriptions	Total Number of Prescriptions
All Prescriptions	107,785	803,345
Opioid Prescriptions	80,199	448,877

Red Flag Computation	Flagged	%	%
Flagged for Any of the Red Flag Computation 1-43	107,785	100.0%	13.4%
Red Flag Computation 1	1,098	1.4%	0.2%
Red Flag Computation 2	16,103	20.1%	3.6%
Red Flag Computation 3	14,143	17.6%	3.2%
Red Flag Computation 4	3,511	4.4%	0.8%
Red Flag Computation 5	14,284	13.3%	1.8%
Red Flag Computation 6	4,554	4.2%	0.6%
Red Flag Computation 7	61,802	57.3%	7.7%
Red Flag Computation 8	44,806	41.6%	5.6%
Red Flag Computation 9	2,953	3.7%	0.7%
Red Flag Computation 10	3,148	3.9%	0.7%
Red Flag Computation 11	2,499	3.1%	0.6%
Red Flag Computation 12	5,139	6.4%	1.1%
Red Flag Computation 13	14,223	17.7%	3.2%
Red Flag Computation 14	2,204	2.7%	0.5%
Red Flag Computation 15	25,166	31.4%	5.6%
Red Flag Computation 16	2,586	3.2%	0.6%
Red Flag Computation 17	9,238	8.6%	1.1%
Red Flag Computation 18	5,763	7.2%	1.3%
Red Flag Computation 19	2,416	3.0%	0.5%
Red Flag Computation 20	6,663	8.3%	1.5%
Red Flag Computation 21	4,581	5.7%	1.0%
Red Flag Computation 22	43	0.1%	0.0%
Red Flag Computation 23	49	0.1%	0.0%
Red Flag Computation 24	4,709	5.9%	1.0%
Red Flag Computation 25	4,752	5.9%	1.1%
Red Flag Computation 26	14,185	17.7%	3.2%
Red Flag Computation 27	0	0.0%	0.0%
Red Flag Computation 28	4	0.0%	0.0%
Red Flag Computation 29	1,665	2.1%	0.4%
Red Flag Computation 30	5,354	6.7%	1.2%

CONFIDENTIAL – SUBJECT TO PROTECTIVE ORDER

Giant Eagle/HBC
Combination Red Flagged Prescriptions Summary
Trumbull County, OH

	Number of Combination Red Flagged Prescriptions	Total Number of Prescriptions
All Prescriptions	107,785	803,345
Opioid Prescriptions	80,199	448,877

Red Flag Computation	Flagged	%	%
Red Flag Computation 31	4,648	5.8%	1.0%
Red Flag Computation 32	143	0.2%	0.0%
Red Flag Computation 33	1,853	2.3%	0.4%
Red Flag Computation 34	891	1.1%	0.2%
Red Flag Computation 35	7,882	9.8%	1.8%
Red Flag Computation 36	4,856	6.1%	1.1%
Red Flag Computation 37	172	0.2%	0.0%
Red Flag Computation 38	55,907	51.9%	7.0%
Red Flag Computation 39	4,473	4.1%	0.6%
Red Flag Computation 40	2,055	2.6%	0.5%
Red Flag Computation 41	21,808	20.2%	2.7%
Red Flag Computation 42	7,838	7.3%	1.0%
Red Flag Computation 43	79	0.1%	0.0%

Notes:

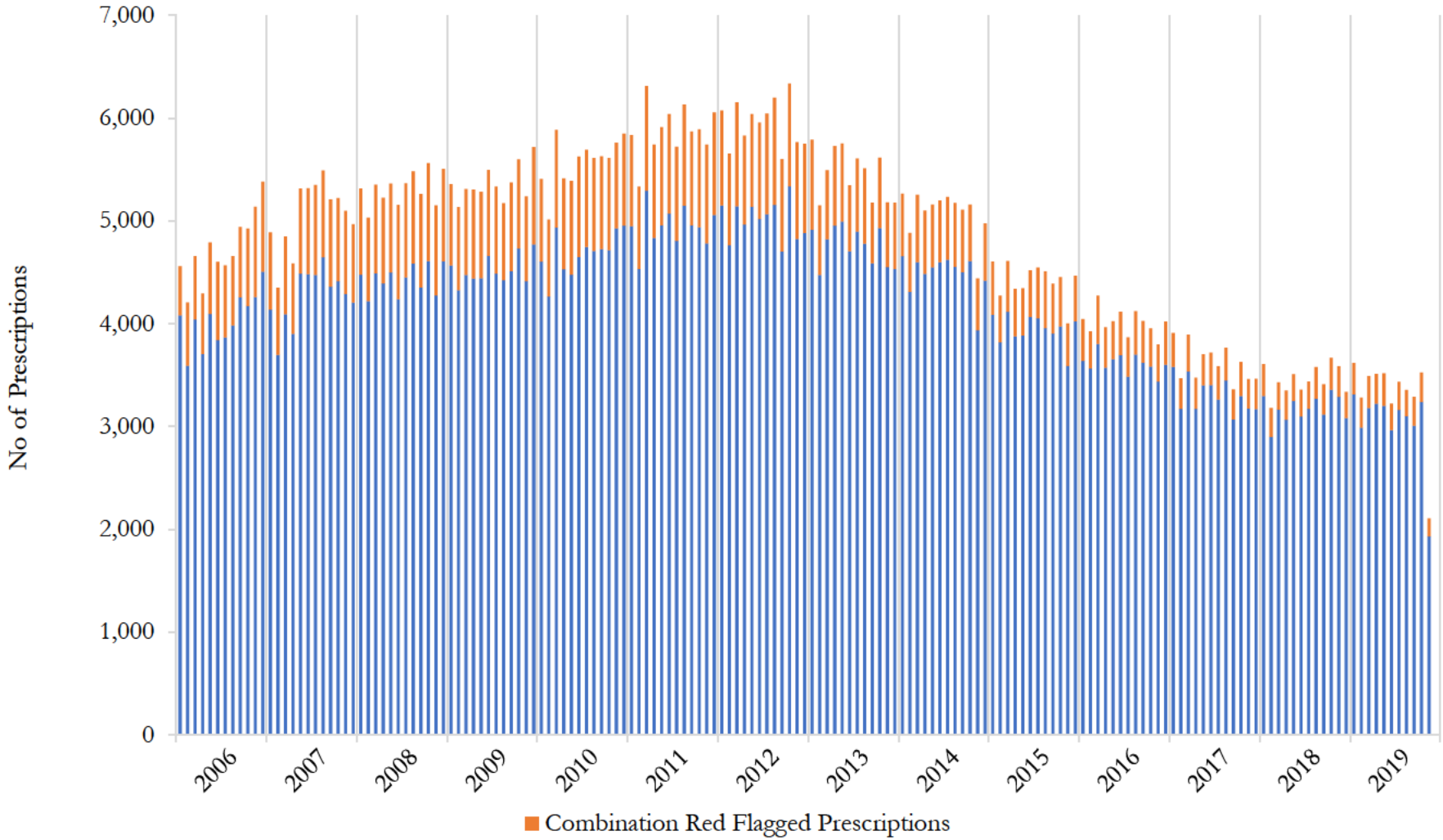
[1] I summarize the 107,785 prescriptions that were triggered by at least one of the initial 16 red flag computations (1-16), and by at least one of the subsequent 27 red flag computationss (17-43).

[2]

Defendant	Date Range
CVS	January 1, 2006 to November 29, 2019
Giant Eagle/HBC	January 1, 2006 to December 3, 2019
Rite Aid	January 1, 2006 to November 19, 2019
Walgreens	January 3, 2006 to January 3, 2020
Wal-Mart	January 2, 2006 to April 25, 2018

CONFIDENTIAL - SUBJECT TO PROTECTIVE ORDER

Giant Eagle/HBC Combination Red Flagged Prescriptions
Trumbull County, OH



Defendant	Date Range
CVS	January 1, 2006 to November 29, 2019;
Giant Eagle/HBC	January 1, 2006 to December 3, 2019
Rite Aid	January 1, 2006 to November 19, 2019;
Walgreens	January 3, 2006 to January 3, 2020;
Wal-Mart	January 2, 2006 to April 25, 2018

CONFIDENTIAL – SUBJECT TO PROTECTIVE ORDER

Rite Aid
Combination Red Flagged Prescriptions Summary
Lake County and Trumbull County, OH

	Number of Combination Red Flagged Prescriptions	Total Number of Prescriptions
All Prescriptions	268,128	1,032,200
Opioid Prescriptions	209,395	830,784

Red Flag Computation	Flagged	%	%
Flagged for Any of the Red Flag Computation 1-43	268,128	100.0%	26.0%
Red Flag Computation 1	14,320	6.8%	1.7%
Red Flag Computation 2	57,968	27.7%	7.0%
Red Flag Computation 3	31,716	15.1%	3.8%
Red Flag Computation 4	17,500	8.4%	2.1%
Red Flag Computation 5	35,314	13.2%	3.4%
Red Flag Computation 6	9,731	3.6%	0.9%
Red Flag Computation 7	143,710	53.6%	13.9%
Red Flag Computation 8	95,633	35.7%	9.3%
Red Flag Computation 9	13,250	6.3%	1.6%
Red Flag Computation 10	25,615	12.2%	3.1%
Red Flag Computation 11	23,108	11.0%	2.8%
Red Flag Computation 12	24,695	11.8%	3.0%
Red Flag Computation 13	8,531	4.1%	1.0%
Red Flag Computation 14	4,076	1.9%	0.5%
Red Flag Computation 15	103,042	49.2%	12.4%
Red Flag Computation 16	5,241	2.5%	0.6%
Red Flag Computation 17	44,304	16.5%	4.3%
Red Flag Computation 18	11,396	5.4%	1.4%
Red Flag Computation 19	5,343	2.6%	0.6%
Red Flag Computation 20	14,967	7.1%	1.8%
Red Flag Computation 21	10,944	5.2%	1.3%
Red Flag Computation 22	454	0.2%	0.1%
Red Flag Computation 23	836	0.4%	0.1%
Red Flag Computation 24	24,285	11.6%	2.9%
Red Flag Computation 25	14,953	7.1%	1.8%
Red Flag Computation 26	7,473	3.6%	0.9%
Red Flag Computation 27	3	0.0%	0.0%
Red Flag Computation 28	621	0.3%	0.1%
Red Flag Computation 29	3,070	1.5%	0.4%
Red Flag Computation 30	15,527	7.4%	1.9%

CONFIDENTIAL – SUBJECT TO PROTECTIVE ORDER

Rite Aid
Combination Red Flagged Prescriptions Summary
Lake County and Trumbull County, OH

	Number of Combination Red Flagged Prescriptions	Total Number of Prescriptions
All Prescriptions	268,128	1,032,200
Opioid Prescriptions	209,395	830,784

Red Flag Computation	Flagged	%	%
Red Flag Computation 31	20,267	9.7%	2.4%
Red Flag Computation 32	623	0.3%	0.1%
Red Flag Computation 33	11,901	5.7%	1.4%
Red Flag Computation 34	3,486	1.7%	0.4%
Red Flag Computation 35	35,642	17.0%	4.3%
Red Flag Computation 36	25,691	12.3%	3.1%
Red Flag Computation 37	269	0.1%	0.0%
Red Flag Computation 38	120,891	45.1%	11.7%
Red Flag Computation 39	9,291	3.5%	0.9%
Red Flag Computation 40	9,057	4.3%	1.1%
Red Flag Computation 41	55,296	20.6%	5.4%
Red Flag Computation 42	20,063	7.5%	1.9%
Red Flag Computation 43	241	0.1%	0.0%

Notes:

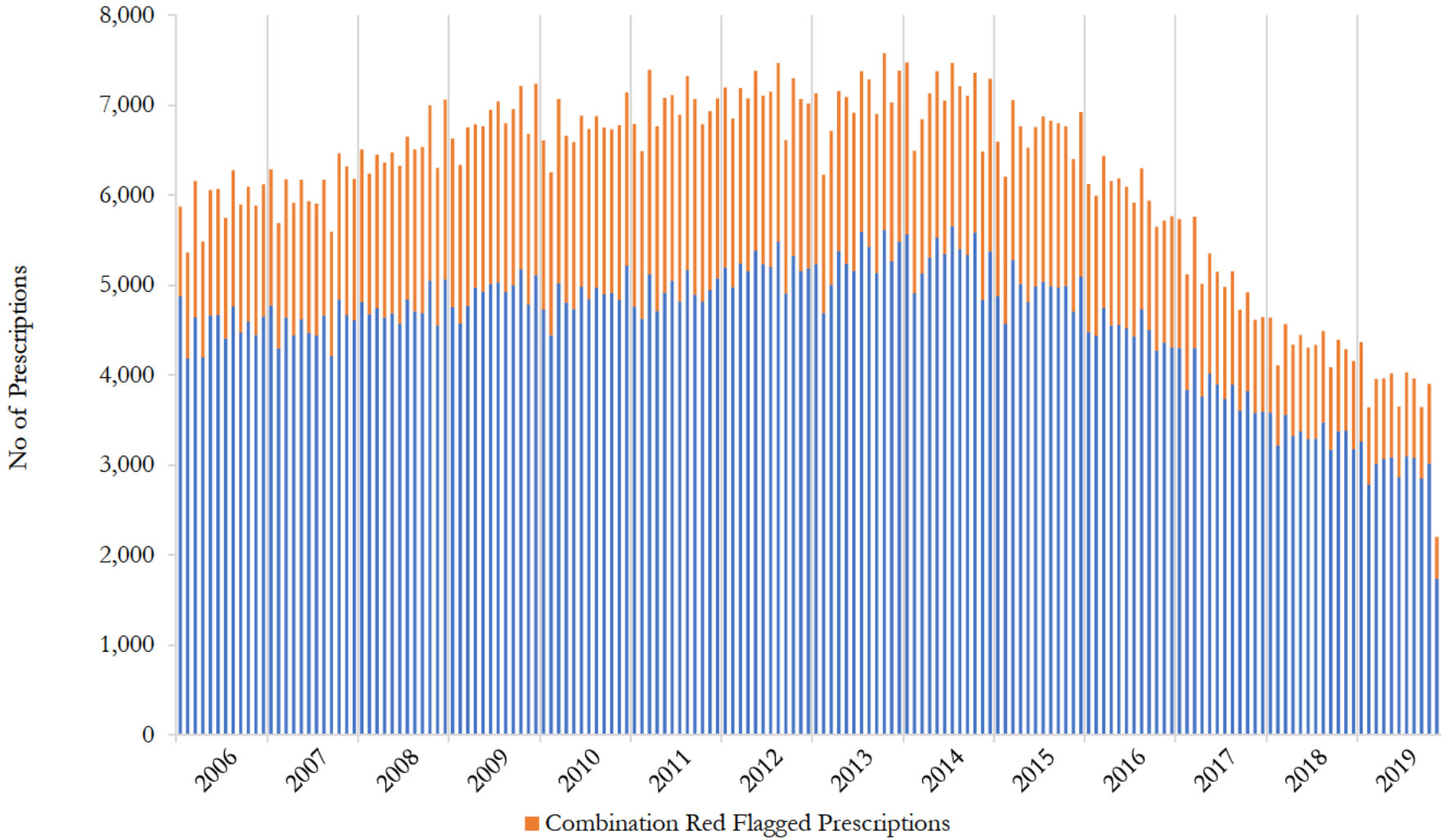
[1] I summarize the 268,128 prescriptions that were triggered by at least one of the initial 16 red flag computations (1-16), and by at least one of the subsequent 27 red flag computationss (17-43).

[2]

Defendant	Date Range
CVS	January 1, 2006 to November 29, 2019
Giant Eagle/HBC	January 1, 2006 to December 3, 2019
Rite Aid	January 1, 2006 to November 19, 2019
Walgreens	January 3, 2006 to January 3, 2020
Wal-Mart	January 2, 2006 to April 25, 2018

CONFIDENTIAL - SUBJECT TO PROTECTIVE ORDER

Rite Aid Combination Red Flagged Prescriptions
Lake County and Trumbull County, OH



Defendant	Date Range
CVS	January 1, 2006 to November 29, 2019;
Giant Eagle/HBC	January 1, 2006 to December 3, 2019
Rite Aid	January 1, 2006 to November 19, 2019;
Walgreens	January 3, 2006 to January 3, 2020;
Wal-Mart	January 2, 2006 to April 25, 2018

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Rite Aid
Combination Red Flagged Prescriptions Summary
Lake County, OH

	Number of Combination Red Flagged Prescriptions	Total Number of Prescriptions
All Prescriptions	71,014	290,438
Opioid Prescriptions	59,259	233,538

Red Flag Computation	Flagged	%	%
Flagged for Any of the Red Flag Computation 1-43	71,014	100.0%	24.5%
Red Flag Computation 1	8,360	14.1%	3.6%
Red Flag Computation 2	22,558	38.1%	9.7%
Red Flag Computation 3	9,957	16.8%	4.3%
Red Flag Computation 4	3,467	5.9%	1.5%
Red Flag Computation 5	10,093	14.2%	3.5%
Red Flag Computation 6	2,034	2.9%	0.7%
Red Flag Computation 7	32,440	45.7%	11.2%
Red Flag Computation 8	16,023	22.6%	5.5%
Red Flag Computation 9	4,368	7.4%	1.9%
Red Flag Computation 10	5,893	9.9%	2.5%
Red Flag Computation 11	5,484	9.3%	2.3%
Red Flag Computation 12	1,749	3.0%	0.7%
Red Flag Computation 13	709	1.2%	0.3%
Red Flag Computation 14	1,247	2.1%	0.5%
Red Flag Computation 15	34,386	58.0%	14.7%
Red Flag Computation 16	2,109	3.6%	0.9%
Red Flag Computation 17	17,228	24.3%	5.9%
Red Flag Computation 18	3,957	6.7%	1.7%
Red Flag Computation 19	2,046	3.5%	0.9%
Red Flag Computation 20	5,700	9.6%	2.4%
Red Flag Computation 21	4,195	7.1%	1.8%
Red Flag Computation 22	197	0.3%	0.1%
Red Flag Computation 23	392	0.7%	0.2%
Red Flag Computation 24	5,218	8.8%	2.2%
Red Flag Computation 25	1,075	1.8%	0.5%
Red Flag Computation 26	666	1.1%	0.3%
Red Flag Computation 27	3	0.0%	0.0%
Red Flag Computation 28	477	0.8%	0.2%
Red Flag Computation 29	924	1.6%	0.4%
Red Flag Computation 30	5,933	10.0%	2.5%

Rite Aid
Combination Red Flagged Prescriptions Summary
Lake County, OH

	Number of Combination Red Flagged Prescriptions	Total Number of Prescriptions
All Prescriptions	71,014	290,438
Opioid Prescriptions	59,259	233,538

Red Flag Computation	Flagged	%	%
Red Flag Computation 31	6,807	11.5%	2.9%
Red Flag Computation 32	340	0.6%	0.1%
Red Flag Computation 33	2,426	4.1%	1.0%
Red Flag Computation 34	1,509	2.5%	0.6%
Red Flag Computation 35	7,632	12.9%	3.3%
Red Flag Computation 36	10,682	18.0%	4.6%
Red Flag Computation 37	140	0.2%	0.1%
Red Flag Computation 38	23,249	32.7%	8.0%
Red Flag Computation 39	1,909	2.7%	0.7%
Red Flag Computation 40	3,732	6.3%	1.6%
Red Flag Computation 41	10,865	15.3%	3.7%
Red Flag Computation 42	5,409	7.6%	1.9%
Red Flag Computation 43	77	0.1%	0.0%

Notes:

[1] I summarize the 71,014 prescriptions that were triggered by at least one of the initial 16 red flag computations (1-16), and by at least one of the subsequent 27 red flag computationss (17-43).

[2]

Defendant	Date Range
CVS	January 1, 2006 to November 29, 2019
Giant Eagle/HBC	January 1, 2006 to December 3, 2019
Rite Aid	January 1, 2006 to November 19, 2019
Walgreens	January 3, 2006 to January 3, 2020
Wal-Mart	January 2, 2006 to April 25, 2018

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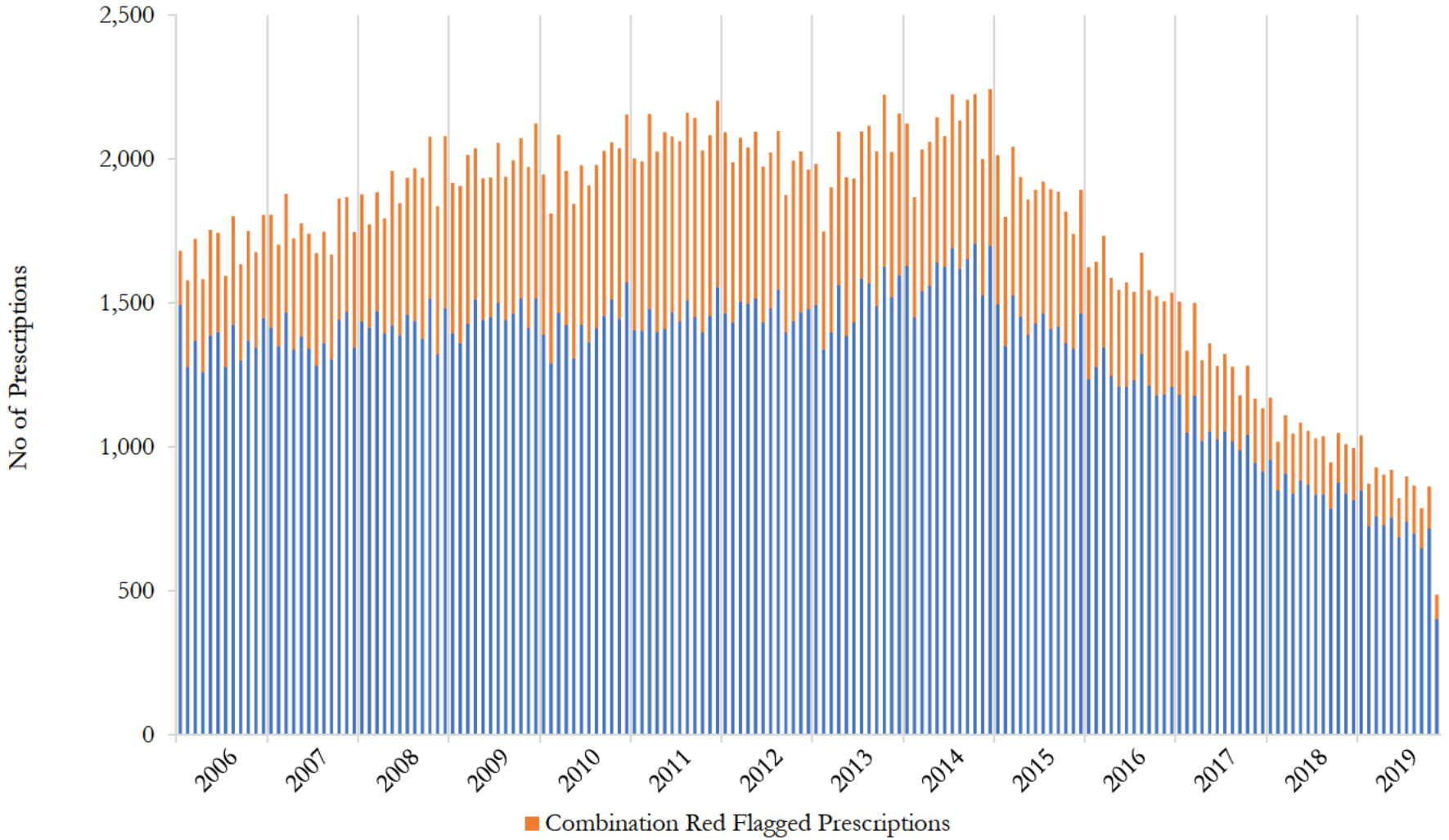
Rite Aid Combination Red Flagged Prescriptions
Lake County, OH



Defendant	Date Range
CVS	January 1, 2006 to November 29, 2019;
Giant Eagle/HBC	January 1, 2006 to December 3, 2019
Rite Aid	January 1, 2006 to November 19, 2019;
Walgreens	January 3, 2006 to January 3, 2020;
Wal-Mart	January 2, 2006 to April 25, 2018

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Rite Aid
Combination Red Flagged Prescriptions Summary
Trumbull County, OH

	Number of Combination Red Flagged Prescriptions	Total Number of Prescriptions
All Prescriptions	197,114	741,762
Opioid Prescriptions	150,136	597,246

Red Flag Computation	Flagged	%	%
Flagged for Any of the Red Flag Computation 1-43	197,114	100.0%	26.6%
Red Flag Computation 1	5,960	4.0%	1.0%
Red Flag Computation 2	35,410	23.6%	5.9%
Red Flag Computation 3	21,759	14.5%	3.6%
Red Flag Computation 4	14,033	9.3%	2.3%
Red Flag Computation 5	25,221	12.8%	3.4%
Red Flag Computation 6	7,697	3.9%	1.0%
Red Flag Computation 7	111,270	56.4%	15.0%
Red Flag Computation 8	79,610	40.4%	10.7%
Red Flag Computation 9	8,882	5.9%	1.5%
Red Flag Computation 10	19,722	13.1%	3.3%
Red Flag Computation 11	17,624	11.7%	3.0%
Red Flag Computation 12	22,946	15.3%	3.8%
Red Flag Computation 13	7,822	5.2%	1.3%
Red Flag Computation 14	2,829	1.9%	0.5%
Red Flag Computation 15	68,656	45.7%	11.5%
Red Flag Computation 16	3,132	2.1%	0.5%
Red Flag Computation 17	27,076	13.7%	3.7%
Red Flag Computation 18	7,439	5.0%	1.2%
Red Flag Computation 19	3,297	2.2%	0.6%
Red Flag Computation 20	9,267	6.2%	1.6%
Red Flag Computation 21	6,749	4.5%	1.1%
Red Flag Computation 22	257	0.2%	0.0%
Red Flag Computation 23	444	0.3%	0.1%
Red Flag Computation 24	19,067	12.7%	3.2%
Red Flag Computation 25	13,878	9.2%	2.3%
Red Flag Computation 26	6,807	4.5%	1.1%
Red Flag Computation 27	0	0.0%	0.0%
Red Flag Computation 28	144	0.1%	0.0%
Red Flag Computation 29	2,146	1.4%	0.4%
Red Flag Computation 30	9,594	6.4%	1.6%

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Rite Aid
Combination Red Flagged Prescriptions Summary
Trumbull County, OH

	Number of Combination Red Flagged Prescriptions	Total Number of Prescriptions
All Prescriptions	197,114	741,762
Opioid Prescriptions	150,136	597,246

Red Flag Computation	Flagged	%	%
Red Flag Computation 31	13,460	9.0%	2.3%
Red Flag Computation 32	283	0.2%	0.0%
Red Flag Computation 33	9,475	6.3%	1.6%
Red Flag Computation 34	1,977	1.3%	0.3%
Red Flag Computation 35	28,010	18.7%	4.7%
Red Flag Computation 36	15,009	10.0%	2.5%
Red Flag Computation 37	129	0.1%	0.0%
Red Flag Computation 38	97,642	49.5%	13.2%
Red Flag Computation 39	7,382	3.7%	1.0%
Red Flag Computation 40	5,325	3.5%	0.9%
Red Flag Computation 41	44,431	22.5%	6.0%
Red Flag Computation 42	14,654	7.4%	2.0%
Red Flag Computation 43	164	0.1%	0.0%

Notes:

[1] I summarize the 197,114 prescriptions that were triggered by at least one of the initial 16 red flag computations (1-16), and by at least one of the subsequent 27 red flag computationss (17-43).

[2]

Defendant	Date Range
CVS	January 1, 2006 to November 29, 2019
Giant Eagle/HBC	January 1, 2006 to December 3, 2019
Rite Aid	January 1, 2006 to November 19, 2019
Walgreens	January 3, 2006 to January 3, 2020
Wal-Mart	January 2, 2006 to April 25, 2018

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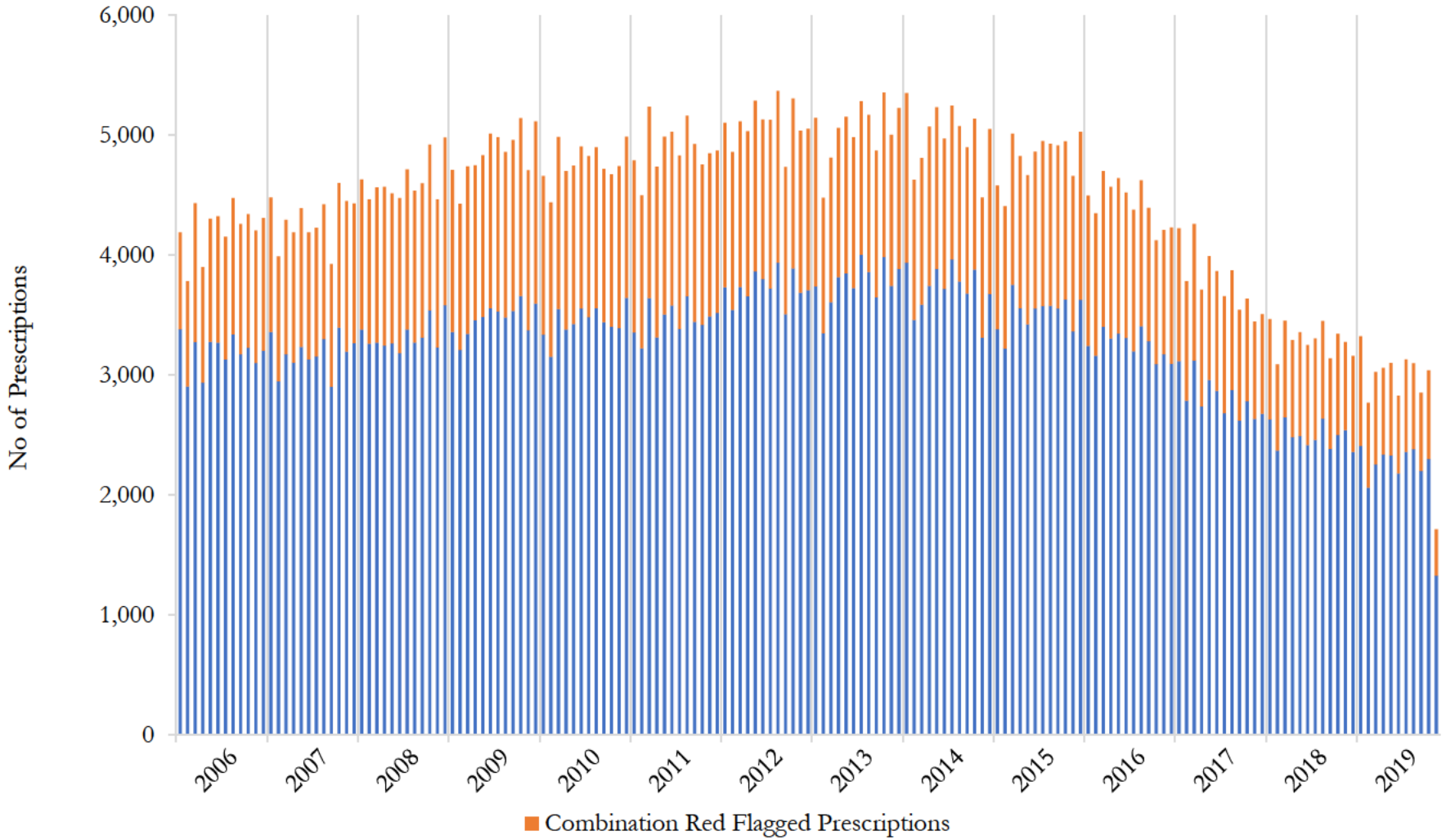
Rite Aid Combination Red Flagged Prescriptions
Trumbull County, OH



Defendant	Date Range
CVS	January 1, 2006 to November 29, 2019;
Giant Eagle/HBC	January 1, 2006 to December 3, 2019
Rite Aid	January 1, 2006 to November 19, 2019;
Walgreens	January 3, 2006 to January 3, 2020;
Wal-Mart	January 2, 2006 to April 25, 2018

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Wal-Mart
Combination Red Flagged Prescriptions Summary
Lake County and Trumbull County, OH

	Number of Combination Red Flagged Prescriptions	Total Number of Prescriptions
All Prescriptions	49,243	275,700
Opioid Prescriptions	37,379	229,006

Red Flag Computation	Flagged	%	%
Flagged for Any of the Red Flag Computation 1-43	49,243	100.0%	17.9%
Red Flag Computation 1	2,409	6.4%	1.1%
Red Flag Computation 2	12,310	32.9%	5.4%
Red Flag Computation 3	5,229	14.0%	2.3%
Red Flag Computation 4	0	0.0%	0.0%
Red Flag Computation 5	7,735	15.7%	2.8%
Red Flag Computation 6	2,467	5.0%	0.9%
Red Flag Computation 7	26,427	53.7%	9.6%
Red Flag Computation 8	18,646	37.9%	6.8%
Red Flag Computation 9	1,981	5.3%	0.9%
Red Flag Computation 10	1,012	2.7%	0.4%
Red Flag Computation 11	1,012	2.7%	0.4%
Red Flag Computation 12	1,360	3.6%	0.6%
Red Flag Computation 13	2,343	6.3%	1.0%
Red Flag Computation 14	544	1.5%	0.2%
Red Flag Computation 15	12,094	32.4%	5.3%
Red Flag Computation 16	6,852	18.3%	3.0%
Red Flag Computation 17	8,724	17.7%	3.2%
Red Flag Computation 18	3,204	8.6%	1.4%
Red Flag Computation 19	1,193	3.2%	0.5%
Red Flag Computation 20	2,604	7.0%	1.1%
Red Flag Computation 21	1,976	5.3%	0.9%
Red Flag Computation 22	0	0.0%	0.0%
Red Flag Computation 23	0	0.0%	0.0%
Red Flag Computation 24	0	0.0%	0.0%
Red Flag Computation 25	1,121	3.0%	0.5%
Red Flag Computation 26	2,318	6.2%	1.0%
Red Flag Computation 27	8	0.0%	0.0%
Red Flag Computation 28	39	0.1%	0.0%
Red Flag Computation 29	443	1.2%	0.2%
Red Flag Computation 30	2,845	7.6%	1.2%

Wal-Mart
Combination Red Flagged Prescriptions Summary
Lake County and Trumbull County, OH

		Number of Combination Red Flagged Prescriptions	Total Number of Prescriptions
All Prescriptions		49,243	275,700
Opioid Prescriptions		37,379	229,006

Red Flag Computation	Flagged	%	%
Red Flag Computation 31	2,634	7.0%	1.2%
Red Flag Computation 32	708	1.9%	0.3%
Red Flag Computation 33	747	2.0%	0.3%
Red Flag Computation 34	691	1.8%	0.3%
Red Flag Computation 35	3,724	10.0%	1.6%
Red Flag Computation 36	3,463	9.3%	1.5%
Red Flag Computation 37	611	1.6%	0.3%
Red Flag Computation 38	25,052	50.9%	9.1%
Red Flag Computation 39	2,454	5.0%	0.9%
Red Flag Computation 40	818	2.2%	0.4%
Red Flag Computation 41	9,137	18.6%	3.3%
Red Flag Computation 42	3,542	7.2%	1.3%
Red Flag Computation 43	476	1.0%	0.2%

Notes:

[1] I summarize the 49,243 prescriptions that were triggered by at least one of the initial 16 red flag computations (1-16), and by at least one of the subsequent 27 red flag computationss (17-43).

[2]

Defendant	Date Range
CVS	January 1, 2006 to November 29, 2019
Giant Eagle/HBC	January 1, 2006 to December 3, 2019
Rite Aid	January 1, 2006 to November 19, 2019
Walgreens	January 3, 2006 to January 3, 2020
Wal-Mart	January 2, 2006 to April 25, 2018

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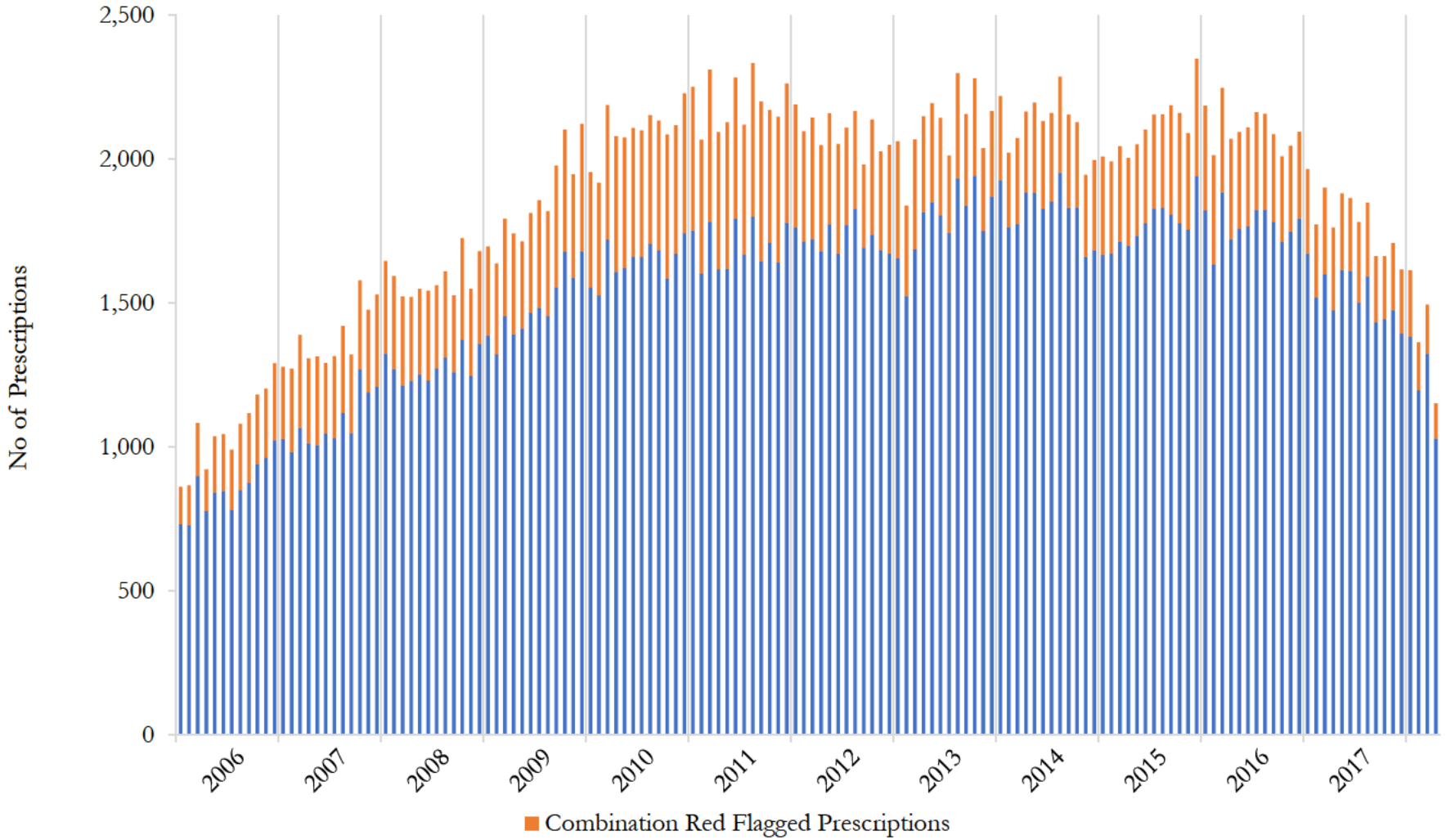
Wal-Mart Combination Red Flagged Prescriptions
Lake County and Trumbull County, OH



Defendant	Date Range
CVS	January 1, 2006 to November 29, 2019;
Giant Eagle/HBC	January 1, 2006 to December 3, 2019
Rite Aid	January 1, 2006 to November 19, 2019;
Walgreens	January 3, 2006 to January 3, 2020;
Wal-Mart	January 2, 2006 to April 25, 2018

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Wal-Mart
Combination Red Flagged Prescriptions Summary
Lake County, OH

	Number of Combination Red Flagged Prescriptions	Total Number of Prescriptions
All Prescriptions	33,770	183,292
Opioid Prescriptions	26,709	151,933

Red Flag Computation	Flagged	%	%
Flagged for Any of the Red Flag Computation 1-43	33,770	100.0%	18.4%
Red Flag Computation 1	1,844	6.9%	1.2%
Red Flag Computation 2	9,116	34.1%	6.0%
Red Flag Computation 3	3,548	13.3%	2.3%
Red Flag Computation 4	0	0.0%	0.0%
Red Flag Computation 5	5,732	17.0%	3.1%
Red Flag Computation 6	1,651	4.9%	0.9%
Red Flag Computation 7	16,519	48.9%	9.0%
Red Flag Computation 8	10,502	31.1%	5.7%
Red Flag Computation 9	1,653	6.2%	1.1%
Red Flag Computation 10	905	3.4%	0.6%
Red Flag Computation 11	905	3.4%	0.6%
Red Flag Computation 12	967	3.6%	0.6%
Red Flag Computation 13	2,020	7.6%	1.3%
Red Flag Computation 14	433	1.6%	0.3%
Red Flag Computation 15	10,072	37.7%	6.6%
Red Flag Computation 16	5,028	18.8%	3.3%
Red Flag Computation 17	6,355	18.8%	3.5%
Red Flag Computation 18	2,303	8.6%	1.5%
Red Flag Computation 19	857	3.2%	0.6%
Red Flag Computation 20	1,884	7.1%	1.2%
Red Flag Computation 21	1,426	5.3%	0.9%
Red Flag Computation 22	0	0.0%	0.0%
Red Flag Computation 23	0	0.0%	0.0%
Red Flag Computation 24	0	0.0%	0.0%
Red Flag Computation 25	870	3.3%	0.6%
Red Flag Computation 26	2,014	7.5%	1.3%
Red Flag Computation 27	0	0.0%	0.0%
Red Flag Computation 28	1	0.0%	0.0%
Red Flag Computation 29	347	1.3%	0.2%
Red Flag Computation 30	2,182	8.2%	1.4%

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Wal-Mart
Combination Red Flagged Prescriptions Summary
Lake County, OH

	Number of Combination Red Flagged Prescriptions	Total Number of Prescriptions
All Prescriptions	33,770	183,292
Opioid Prescriptions	26,709	151,933

Red Flag Computation	Flagged	%	%
Red Flag Computation 31	2,056	7.7%	1.4%
Red Flag Computation 32	647	2.4%	0.4%
Red Flag Computation 33	696	2.6%	0.5%
Red Flag Computation 34	580	2.2%	0.4%
Red Flag Computation 35	3,275	12.3%	2.2%
Red Flag Computation 36	2,757	10.3%	1.8%
Red Flag Computation 37	511	1.9%	0.3%
Red Flag Computation 38	14,933	44.2%	8.1%
Red Flag Computation 39	1,646	4.9%	0.9%
Red Flag Computation 40	651	2.4%	0.4%
Red Flag Computation 41	5,925	17.5%	3.2%
Red Flag Computation 42	2,996	8.9%	1.6%
Red Flag Computation 43	362	1.1%	0.2%

Notes:

[1] I summarize the 33,770 prescriptions that were triggered by at least one of the initial 16 red flag computations (1-16), and by at least one of the subsequent 27 red flag computationss (17-43).

[2]

Defendant	Date Range
CVS	January 1, 2006 to November 29, 2019
Giant Eagle/HBC	January 1, 2006 to December 3, 2019
Rite Aid	January 1, 2006 to November 19, 2019
Walgreens	January 3, 2006 to January 3, 2020
Wal-Mart	January 2, 2006 to April 25, 2018

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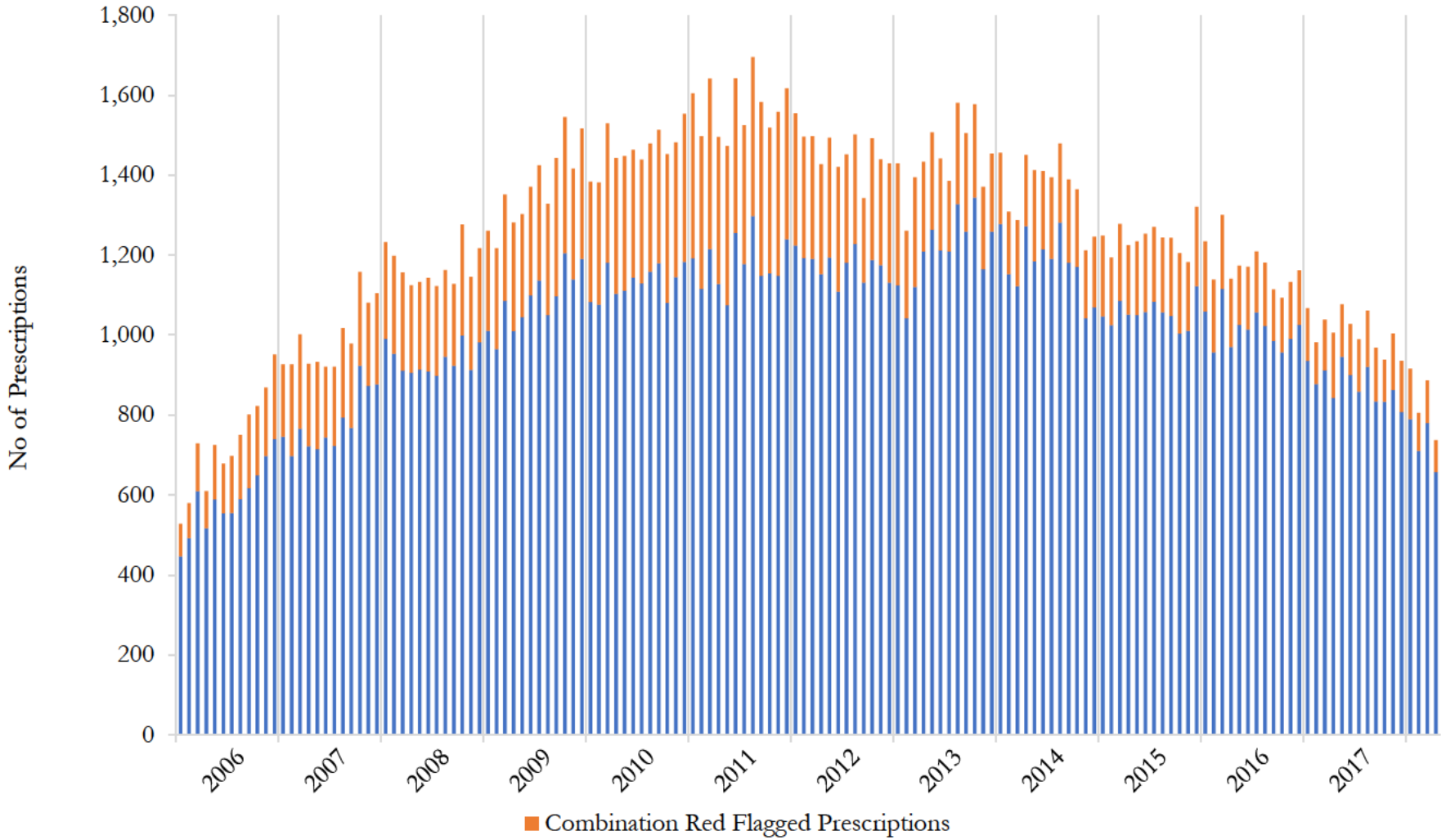
Wal-Mart Combination Red Flagged Prescriptions
Lake County, OH



Defendant	Date Range
CVS	January 1, 2006 to November 29, 2019;
Giant Eagle/HBC	January 1, 2006 to December 3, 2019
Rite Aid	January 1, 2006 to November 19, 2019;
Walgreens	January 3, 2006 to January 3, 2020;
Wal-Mart	January 2, 2006 to April 25, 2018

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Wal-Mart
Combination Red Flagged Prescriptions Summary
Trumbull County, OH

	Number of Combination Red Flagged Prescriptions	Total Number of Prescriptions
All Prescriptions	15,473	92,408
Opioid Prescriptions	10,670	77,073

Red Flag Computation	Flagged	%	%
Flagged for Any of the Red Flag Computation 1-43	15,473	100.0%	16.7%
Red Flag Computation 1	565	5.3%	0.7%
Red Flag Computation 2	3,194	29.9%	4.1%
Red Flag Computation 3	1,681	15.8%	2.2%
Red Flag Computation 4	0	0.0%	0.0%
Red Flag Computation 5	2,003	12.9%	2.2%
Red Flag Computation 6	816	5.3%	0.9%
Red Flag Computation 7	9,908	64.0%	10.7%
Red Flag Computation 8	8,144	52.6%	8.8%
Red Flag Computation 9	328	3.1%	0.4%
Red Flag Computation 10	107	1.0%	0.1%
Red Flag Computation 11	107	1.0%	0.1%
Red Flag Computation 12	393	3.7%	0.5%
Red Flag Computation 13	323	3.0%	0.4%
Red Flag Computation 14	111	1.0%	0.1%
Red Flag Computation 15	2,022	19.0%	2.6%
Red Flag Computation 16	1,824	17.1%	2.4%
Red Flag Computation 17	2,369	15.3%	2.6%
Red Flag Computation 18	901	8.4%	1.2%
Red Flag Computation 19	336	3.1%	0.4%
Red Flag Computation 20	720	6.7%	0.9%
Red Flag Computation 21	550	5.2%	0.7%
Red Flag Computation 22	0	0.0%	0.0%
Red Flag Computation 23	0	0.0%	0.0%
Red Flag Computation 24	0	0.0%	0.0%
Red Flag Computation 25	251	2.4%	0.3%
Red Flag Computation 26	304	2.8%	0.4%
Red Flag Computation 27	8	0.1%	0.0%
Red Flag Computation 28	38	0.4%	0.0%
Red Flag Computation 29	96	0.9%	0.1%
Red Flag Computation 30	663	6.2%	0.9%

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Wal-Mart
Combination Red Flagged Prescriptions Summary
Trumbull County, OH

	Number of Combination Red Flagged Prescriptions	Total Number of Prescriptions
All Prescriptions	15,473	92,408
Opioid Prescriptions	10,670	77,073

Red Flag Computation	Flagged	%	%
Red Flag Computation 31	578	5.4%	0.7%
Red Flag Computation 32	61	0.6%	0.1%
Red Flag Computation 33	51	0.5%	0.1%
Red Flag Computation 34	111	1.0%	0.1%
Red Flag Computation 35	449	4.2%	0.6%
Red Flag Computation 36	706	6.6%	0.9%
Red Flag Computation 37	100	0.9%	0.1%
Red Flag Computation 38	10,119	65.4%	11.0%
Red Flag Computation 39	808	5.2%	0.9%
Red Flag Computation 40	167	1.6%	0.2%
Red Flag Computation 41	3,212	20.8%	3.5%
Red Flag Computation 42	546	3.5%	0.6%
Red Flag Computation 43	114	0.7%	0.1%

Notes:

[1] I summarize the 15,473 prescriptions that were triggered by at least one of the initial 16 red flag computations (1-16), and by at least one of the subsequent 27 red flag computationss (17-43).

[2]

Defendant	Date Range
CVS	January 1, 2006 to November 29, 2019
Giant Eagle/HBC	January 1, 2006 to December 3, 2019
Rite Aid	January 1, 2006 to November 19, 2019
Walgreens	January 3, 2006 to January 3, 2020
Wal-Mart	January 2, 2006 to April 25, 2018

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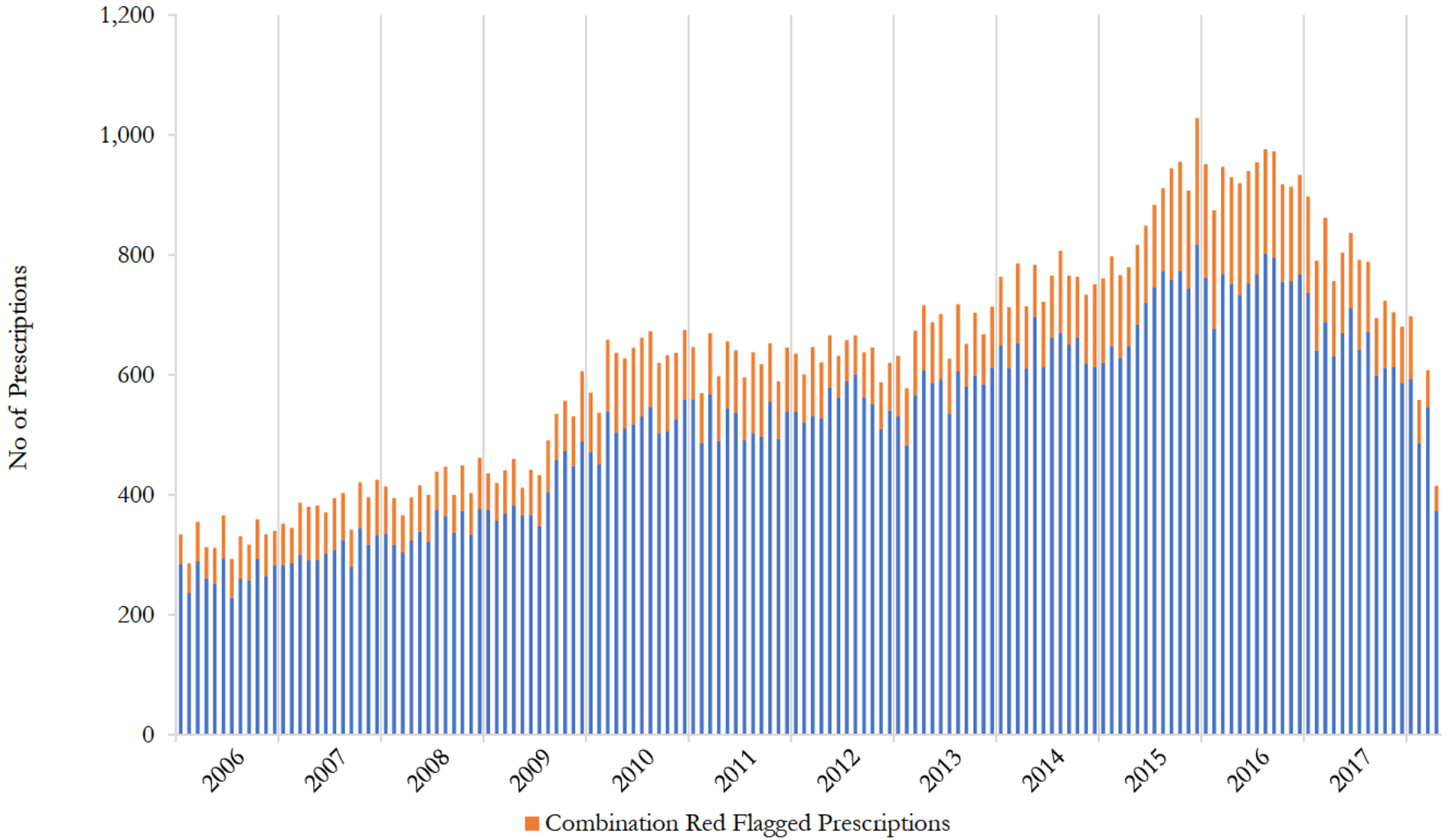
Wal-Mart Combination Red Flagged Prescriptions
Trumbull County, OH



Defendant	Date Range
CVS	January 1, 2006 to November 29, 2019;
Giant Eagle/HBC	January 1, 2006 to December 3, 2019
Rite Aid	January 1, 2006 to November 19, 2019;
Walgreens	January 3, 2006 to January 3, 2020;
Wal-Mart	January 2, 2006 to April 25, 2018

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Walgreens
Combination Red Flagged Prescriptions Summary
Lake County and Trumbull County, OH

	Number of Combination Red Flagged Prescriptions	Total Number of Prescriptions
All Prescriptions	226,843	1,007,556
Opioid Prescriptions	175,609	806,193

Red Flag Computation	Flagged	%	%
Flagged for Any of the Red Flag Computation 1-43	226,843	100.0%	22.5%
Red Flag Computation 1	7,414	4.2%	0.9%
Red Flag Computation 2	37,066	21.1%	4.6%
Red Flag Computation 3	29,641	16.9%	3.7%
Red Flag Computation 4	20,385	11.6%	2.5%
Red Flag Computation 5	32,412	14.3%	3.2%
Red Flag Computation 6	8,901	3.9%	0.9%
Red Flag Computation 7	122,923	54.2%	12.2%
Red Flag Computation 8	82,719	36.5%	8.2%
Red Flag Computation 9	9,119	5.2%	1.1%
Red Flag Computation 10	15,135	8.6%	1.9%
Red Flag Computation 11	12,899	7.3%	1.6%
Red Flag Computation 12	27,230	15.5%	3.4%
Red Flag Computation 13	10,193	5.8%	1.3%
Red Flag Computation 14	2,224	1.3%	0.3%
Red Flag Computation 15	71,048	40.5%	8.8%
Red Flag Computation 16	8,772	5.0%	1.1%
Red Flag Computation 17	25,692	11.3%	2.5%
Red Flag Computation 18	10,117	5.8%	1.3%
Red Flag Computation 19	5,088	2.9%	0.6%
Red Flag Computation 20	15,686	8.9%	1.9%
Red Flag Computation 21	10,497	6.0%	1.3%
Red Flag Computation 22	505	0.3%	0.1%
Red Flag Computation 23	664	0.4%	0.1%
Red Flag Computation 24	29,538	16.8%	3.7%
Red Flag Computation 25	18,328	10.4%	2.3%
Red Flag Computation 26	9,191	5.2%	1.1%
Red Flag Computation 27	2	0.0%	0.0%
Red Flag Computation 28	76	0.0%	0.0%
Red Flag Computation 29	1,731	1.0%	0.2%
Red Flag Computation 30	9,299	5.3%	1.2%

Walgreens
Combination Red Flagged Prescriptions Summary
Lake County and Trumbull County, OH

	Number of Combination Red Flagged Prescriptions	Total Number of Prescriptions
All Prescriptions	226,843	1,007,556
Opioid Prescriptions	175,609	806,193

Red Flag Computation	Flagged	%	%
Red Flag Computation 31	10,094	5.7%	1.3%
Red Flag Computation 32	812	0.5%	0.1%
Red Flag Computation 33	7,136	4.1%	0.9%
Red Flag Computation 34	2,062	1.2%	0.3%
Red Flag Computation 35	24,377	13.9%	3.0%
Red Flag Computation 36	12,942	7.4%	1.6%
Red Flag Computation 37	275	0.2%	0.0%
Red Flag Computation 38	107,073	47.2%	10.6%
Red Flag Computation 39	8,577	3.8%	0.9%
Red Flag Computation 40	5,171	2.9%	0.6%
Red Flag Computation 41	45,449	20.0%	4.5%
Red Flag Computation 42	14,589	6.4%	1.4%
Red Flag Computation 43	219	0.1%	0.0%

Notes:

[1] I summarize the 226,843 prescriptions that were triggered by at least one of the initial 16 red flag computations (1-16), and by at least one of the subsequent 27 red flag computationss (17-43).

[2]

Defendant	Date Range
CVS	January 1, 2006 to November 29, 2019
Giant Eagle/HBC	January 1, 2006 to December 3, 2019
Rite Aid	January 1, 2006 to November 19, 2019
Walgreens	January 3, 2006 to January 3, 2020
Wal-Mart	January 2, 2006 to April 25, 2018

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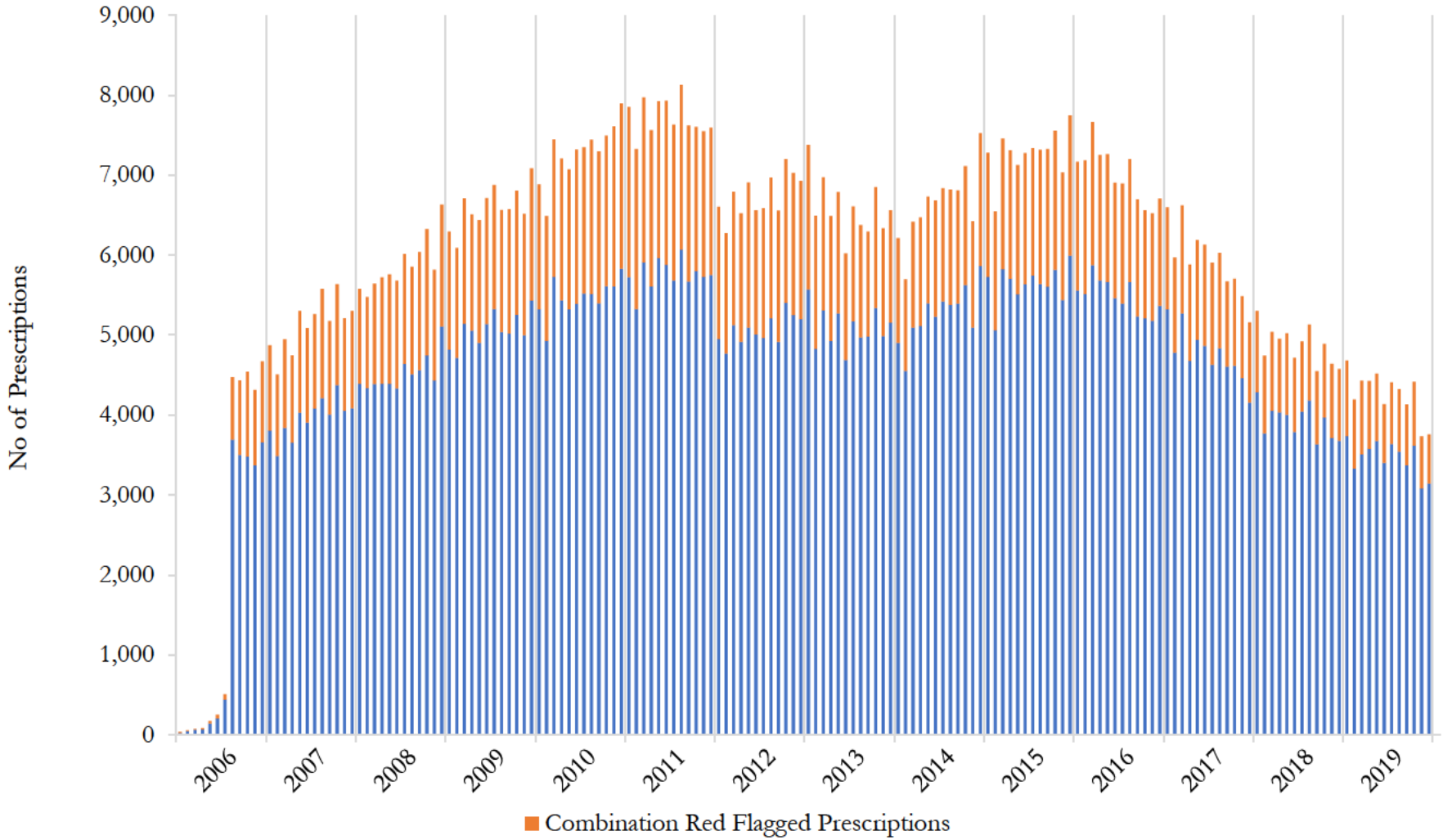
Walgreens Combination Red Flagged Prescriptions
Lake County and Trumbull County, OH



Defendant	Date Range
CVS	January 1, 2006 to November 29, 2019;
Giant Eagle/HBC	January 1, 2006 to December 3, 2019
Rite Aid	January 1, 2006 to November 19, 2019;
Walgreens	January 3, 2006 to January 3, 2020;
Wal-Mart	January 2, 2006 to April 25, 2018

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Walgreens
Combination Red Flagged Prescriptions Summary
Lake County, OH

	Number of Combination Red Flagged Prescriptions	Total Number of Prescriptions
All Prescriptions	98,134	514,287
Opioid Prescriptions	80,894	418,820

Red Flag Computation	Flagged	%	%
Flagged for Any of the Red Flag Computation 1-43	98,134	100.0%	19.1%
Red Flag Computation 1	4,269	5.3%	1.0%
Red Flag Computation 2	20,438	25.3%	4.9%
Red Flag Computation 3	13,398	16.6%	3.2%
Red Flag Computation 4	11,273	13.9%	2.7%
Red Flag Computation 5	14,747	15.0%	2.9%
Red Flag Computation 6	3,244	3.3%	0.6%
Red Flag Computation 7	47,286	48.2%	9.2%
Red Flag Computation 8	24,782	25.3%	4.8%
Red Flag Computation 9	3,281	4.1%	0.8%
Red Flag Computation 10	3,916	4.8%	0.9%
Red Flag Computation 11	3,196	4.0%	0.8%
Red Flag Computation 12	9,309	11.5%	2.2%
Red Flag Computation 13	3,329	4.1%	0.8%
Red Flag Computation 14	638	0.8%	0.2%
Red Flag Computation 15	33,494	41.4%	8.0%
Red Flag Computation 16	4,737	5.9%	1.1%
Red Flag Computation 17	13,775	14.0%	2.7%
Red Flag Computation 18	5,217	6.4%	1.2%
Red Flag Computation 19	2,584	3.2%	0.6%
Red Flag Computation 20	8,543	10.6%	2.0%
Red Flag Computation 21	5,986	7.4%	1.4%
Red Flag Computation 22	318	0.4%	0.1%
Red Flag Computation 23	433	0.5%	0.1%
Red Flag Computation 24	17,509	21.6%	4.2%
Red Flag Computation 25	6,206	7.7%	1.5%
Red Flag Computation 26	3,050	3.8%	0.7%
Red Flag Computation 27	0	0.0%	0.0%
Red Flag Computation 28	24	0.0%	0.0%
Red Flag Computation 29	517	0.6%	0.1%
Red Flag Computation 30	4,207	5.2%	1.0%

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Walgreens
Combination Red Flagged Prescriptions Summary
Lake County, OH

	Number of Combination Red Flagged Prescriptions	Total Number of Prescriptions
All Prescriptions	98,134	514,287
Opioid Prescriptions	80,894	418,820

Red Flag Computation	Flagged	%	%
Red Flag Computation 31	3,817	4.7%	0.9%
Red Flag Computation 32	462	0.6%	0.1%
Red Flag Computation 33	2,495	3.1%	0.6%
Red Flag Computation 34	1,242	1.5%	0.3%
Red Flag Computation 35	13,015	16.1%	3.1%
Red Flag Computation 36	8,310	10.3%	2.0%
Red Flag Computation 37	208	0.3%	0.0%
Red Flag Computation 38	35,925	36.6%	7.0%
Red Flag Computation 39	3,120	3.2%	0.6%
Red Flag Computation 40	1,792	2.2%	0.4%
Red Flag Computation 41	12,961	13.2%	2.5%
Red Flag Computation 42	7,060	7.2%	1.4%
Red Flag Computation 43	109	0.1%	0.0%

Notes:

[1] I summarize the 98,134 prescriptions that were triggered by at least one of the initial 16 red flag computations (1-16), and by at least one of the subsequent 27 red flag computationss (17-43).

[2]

Defendant	Date Range
CVS	January 1, 2006 to November 29, 2019
Giant Eagle/HBC	January 1, 2006 to December 3, 2019
Rite Aid	January 1, 2006 to November 19, 2019
Walgreens	January 3, 2006 to January 3, 2020
Wal-Mart	January 2, 2006 to April 25, 2018

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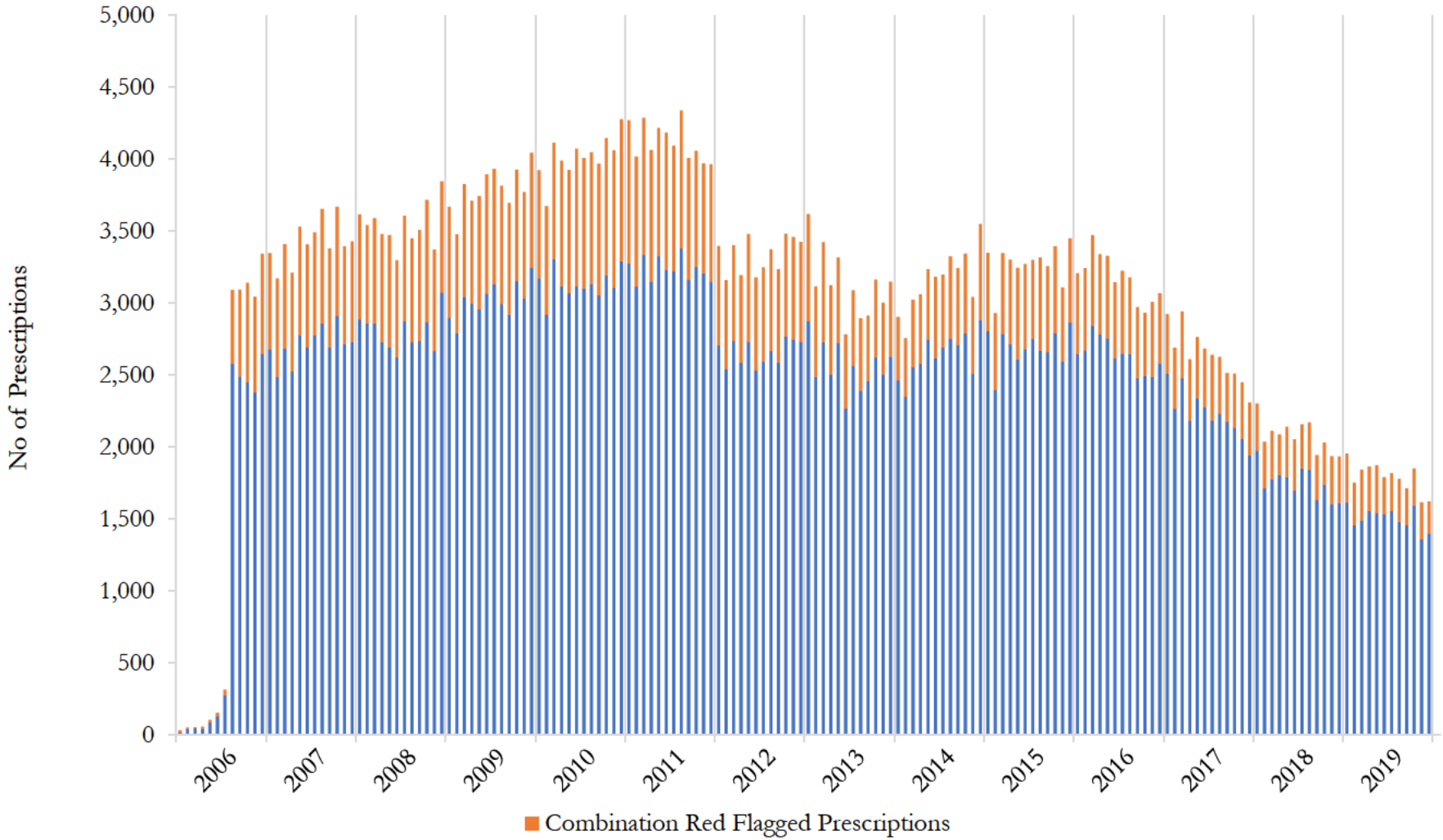
Walgreens Combination Red Flagged Prescriptions
Lake County, OH



Defendant	Date Range
CVS	January 1, 2006 to November 29, 2019;
Giant Eagle/HBC	January 1, 2006 to December 3, 2019
Rite Aid	January 1, 2006 to November 19, 2019;
Walgreens	January 3, 2006 to January 3, 2020;
Wal-Mart	January 2, 2006 to April 25, 2018

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Walgreens
Combination Red Flagged Prescriptions Summary
Trumbull County, OH

	Number of Combination Red Flagged Prescriptions	Total Number of Prescriptions
All Prescriptions	128,709	493,269
Opioid Prescriptions	94,715	387,373

Red Flag Computation	Flagged	%	%
Flagged for Any of the Red Flag Computation 1-43	128,709	100.0%	26.1%
Red Flag Computation 1	3,145	3.3%	0.8%
Red Flag Computation 2	16,628	17.6%	4.3%
Red Flag Computation 3	16,243	17.1%	4.2%
Red Flag Computation 4	9,112	9.6%	2.4%
Red Flag Computation 5	17,665	13.7%	3.6%
Red Flag Computation 6	5,657	4.4%	1.1%
Red Flag Computation 7	75,637	58.8%	15.3%
Red Flag Computation 8	57,937	45.0%	11.7%
Red Flag Computation 9	5,838	6.2%	1.5%
Red Flag Computation 10	11,219	11.8%	2.9%
Red Flag Computation 11	9,703	10.2%	2.5%
Red Flag Computation 12	17,921	18.9%	4.6%
Red Flag Computation 13	6,864	7.2%	1.8%
Red Flag Computation 14	1,586	1.7%	0.4%
Red Flag Computation 15	37,554	39.6%	9.7%
Red Flag Computation 16	4,035	4.3%	1.0%
Red Flag Computation 17	11,917	9.3%	2.4%
Red Flag Computation 18	4,900	5.2%	1.3%
Red Flag Computation 19	2,504	2.6%	0.6%
Red Flag Computation 20	7,143	7.5%	1.8%
Red Flag Computation 21	4,511	4.8%	1.2%
Red Flag Computation 22	187	0.2%	0.0%
Red Flag Computation 23	231	0.2%	0.1%
Red Flag Computation 24	12,029	12.7%	3.1%
Red Flag Computation 25	12,122	12.8%	3.1%
Red Flag Computation 26	6,141	6.5%	1.6%
Red Flag Computation 27	2	0.0%	0.0%
Red Flag Computation 28	52	0.1%	0.0%
Red Flag Computation 29	1,214	1.3%	0.3%
Red Flag Computation 30	5,092	5.4%	1.3%

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Walgreens
Combination Red Flagged Prescriptions Summary
Trumbull County, OH

	Number of Combination Red Flagged Prescriptions	Total Number of Prescriptions
All Prescriptions	128,709	493,269
Opioid Prescriptions	94,715	387,373

Red Flag Computation	Flagged	%	%
Red Flag Computation 31	6,277	6.6%	1.6%
Red Flag Computation 32	350	0.4%	0.1%
Red Flag Computation 33	4,641	4.9%	1.2%
Red Flag Computation 34	820	0.9%	0.2%
Red Flag Computation 35	11,362	12.0%	2.9%
Red Flag Computation 36	4,632	4.9%	1.2%
Red Flag Computation 37	67	0.1%	0.0%
Red Flag Computation 38	71,148	55.3%	14.4%
Red Flag Computation 39	5,457	4.2%	1.1%
Red Flag Computation 40	3,379	3.6%	0.9%
Red Flag Computation 41	32,488	25.2%	6.6%
Red Flag Computation 42	7,529	5.8%	1.5%
Red Flag Computation 43	110	0.1%	0.0%

Notes:

[1] I summarize the 128,709 prescriptions that were triggered by at least one of the initial 16 red flag computations (1-16), and by at least one of the subsequent 27 red flag computationss (17-43).

[2]

Defendant	Date Range
CVS	January 1, 2006 to November 29, 2019
Giant Eagle/HBC	January 1, 2006 to December 3, 2019
Rite Aid	January 1, 2006 to November 19, 2019
Walgreens	January 3, 2006 to January 3, 2020
Wal-Mart	January 2, 2006 to April 25, 2018

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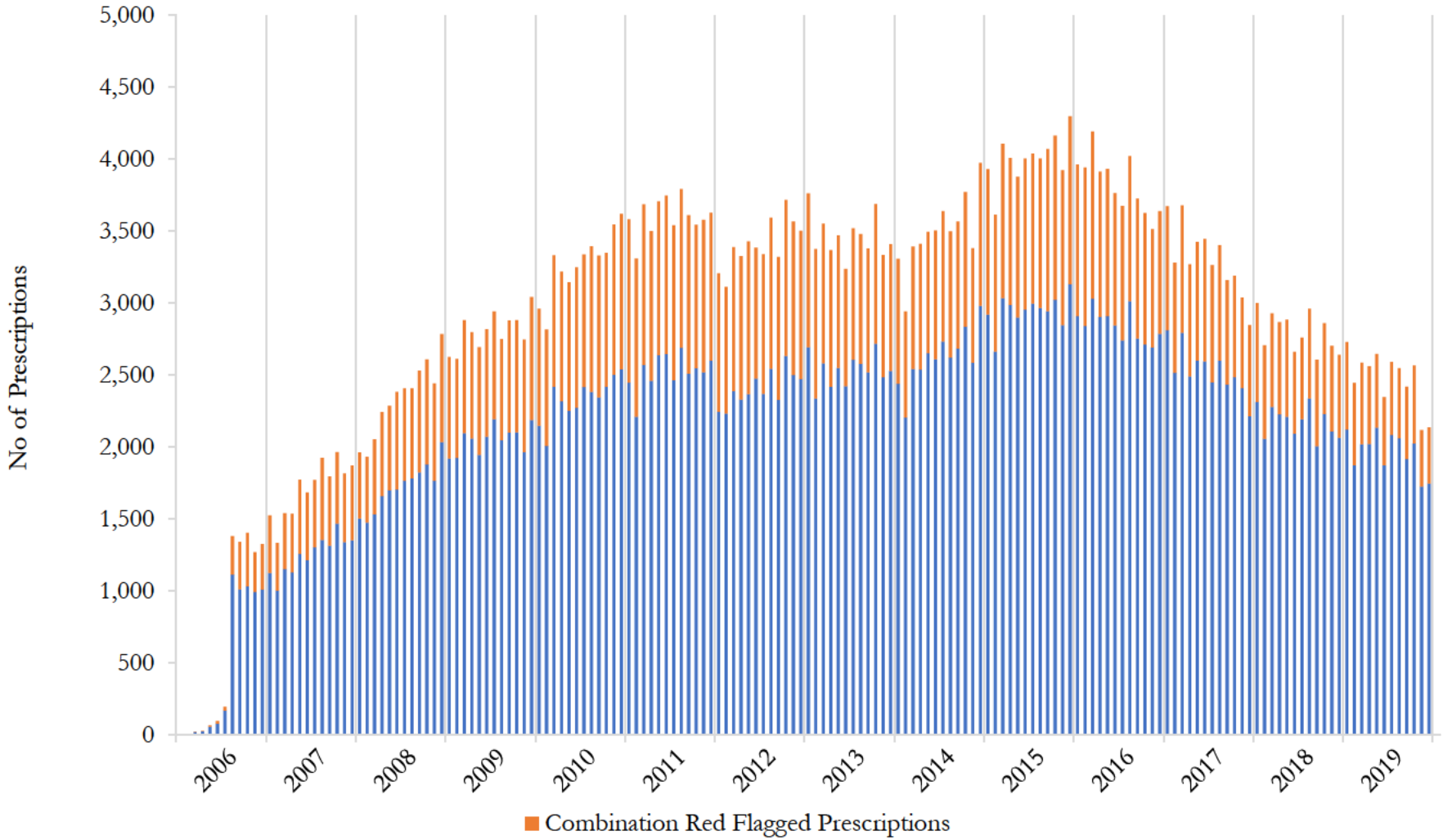
Walgreens Combination Red Flagged Prescriptions
Trumbull County, OH



Defendant	Date Range
CVS	January 1, 2006 to November 29, 2019;
Giant Eagle/HBC	January 1, 2006 to December 3, 2019
Rite Aid	January 1, 2006 to November 19, 2019;
Walgreens	January 3, 2006 to January 3, 2020;
Wal-Mart	January 2, 2006 to April 25, 2018

E. Combination Red Flagged Prescriptions – Red Flag Computation 1-43 Summary by Year

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All Defendants Combination Red Flagged Prescriptions Summary
Lake County and Trumbull County, OH

Red Flag Computation 1-43, in # of Prescriptions

	Total	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Total # of Combination Red Flagged Prescriptions	884,166	43,526	58,588	68,204	74,494	82,107	90,061	83,555	74,435	68,853	67,050	59,935	46,974	36,800	29,584
Total # of Combination Red Flagged Opioid Prescriptions	690,028	33,407	45,079	53,316	57,943	63,965	70,668	65,646	58,076	54,007	52,630	46,777	36,487	28,633	23,394
Red Flag Computation 1	34,242	1,682	2,275	2,514	3,033	3,431	3,960	3,426	2,925	2,811	2,467	1,998	1,563	1,240	917
	4.96%	5.03%	5.05%	4.72%	5.23%	5.36%	5.60%	5.22%	5.04%	5.20%	4.69%	4.27%	4.28%	4.33%	3.92%
Red Flag Computation 2	190,395	8,692	11,573	13,236	13,508	16,570	19,546	18,297	16,962	15,998	15,537	13,610	11,259	8,854	6,753
	27.59%	26.02%	25.67%	24.83%	23.31%	25.90%	27.66%	27.87%	29.21%	29.62%	29.52%	29.10%	30.86%	30.92%	28.87%
Red Flag Computation 3	110,400	5,711	8,048	9,872	10,685	11,125	11,892	10,826	9,355	8,488	7,700	6,797	4,199	3,210	2,492
	16.00%	17.10%	17.85%	18.52%	18.44%	17.39%	16.83%	16.49%	16.11%	15.72%	14.63%	14.53%	11.51%	11.21%	10.65%
Red Flag Computation 4	54,788	2,056	3,184	4,164	4,944	5,064	5,354	5,519	5,387	4,972	5,171	3,627	2,360	1,770	1,216
	7.94%	6.15%	7.06%	7.81%	8.53%	7.92%	7.58%	8.41%	9.28%	9.21%	9.83%	7.75%	6.47%	6.18%	5.20%
Red Flag Computation 5	119,732	5,855	9,112	9,761	11,782	12,897	13,577	11,950	10,208	8,744	7,774	6,730	4,955	3,581	2,806
	13.54%	13.45%	15.55%	14.31%	15.82%	15.71%	15.08%	14.30%	13.71%	12.70%	11.59%	11.23%	10.55%	9.73%	9.48%
Red Flag Computation 6	33,481	1,652	2,970	3,259	3,627	3,490	3,775	3,548	2,683	2,218	2,006	1,629	1,138	784	702
	3.79%	3.80%	5.07%	4.78%	4.87%	4.25%	4.19%	4.25%	3.60%	3.22%	2.99%	2.72%	2.42%	2.13%	2.37%
Red Flag Computation 7	467,057	23,795	31,439	35,969	40,004	43,398	46,654	42,825	39,329	36,276	35,532	32,227	25,136	19,749	14,724
	52.82%	54.67%	53.66%	52.74%	53.70%	52.86%	51.80%	51.25%	52.84%	52.69%	52.99%	53.77%	53.51%	53.67%	49.77%
Red Flag Computation 8	311,492	15,997	20,901	23,467	25,701	28,180	30,196	28,326	26,308	24,140	23,825	21,932	17,819	14,110	10,590
	35.23%	36.75%	35.67%	34.41%	34.50%	34.32%	33.53%	33.90%	35.34%	35.06%	35.53%	36.59%	37.93%	38.34%	35.80%
Red Flag Computation 9	34,276	1,050	1,700	2,400	2,480	2,913	4,005	3,146	2,816	3,030	3,645	3,162	1,760	1,145	1,024
	4.97%	3.14%	3.77%	4.50%	4.28%	4.55%	5.67%	4.79%	4.85%	5.61%	6.93%	6.76%	4.82%	4.00%	4.38%
Red Flag Computation 10	51,282	2,255	2,788	3,703	4,436	4,949	5,908	4,844	3,451	2,832	3,080	2,362	1,329	676	8,669
	7.43%	6.75%	6.18%	6.95%	7.66%	7.74%	8.36%	7.38%	5.94%	5.24%	5.85%	5.05%	3.64%	2.36%	37.06%
Red Flag Computation 11	44,545	2,255	2,788	3,703	4,436	4,949	5,908	4,844	3,451	2,832	3,080	2,362	1,329	676	1,932
	6.46%	6.75%	6.18%	6.95%	7.66%	7.74%	8.36%	7.38%	5.94%	5.24%	5.85%	5.05%	3.64%	2.36%	8.26%
Red Flag Computation 12	72,146	1,598	2,361	2,966	4,450	5,669	7,314	7,077	5,643	5,964	7,281	6,984	6,069	4,966	3,804
	10.46%	4.78%	5.24%	5.56%	7.68%	8.86%	10.35%	10.78%	9.72%	11.04%	13.83%	14.93%	16.63%	17.34%	16.26%
Red Flag Computation 13	48,536	2,358	3,036	3,870	4,500	5,349	6,704	6,661	2,907	2,408	2,825	2,745	2,125	1,683	1,365
	7.03%	7.06%	6.73%	7.26%	7.77%	8.36%	9.49%	10.15%	5.01%	4.46%	5.37%	5.87%	5.82%	5.88%	5.83%
Red Flag Computation 14	12,802	837	1,299	1,599	1,955	1,880	2,087	1,491	1,037	617	0	0	0	0	0
	1.86%	2.51%	2.88%	3.00%	3.37%	2.94%	2.95%	2.27%	1.79%	1.14%	0.00%	0.00%	0.00%	0.00%	0.00%
Red Flag Computation 15	269,780	12,609	19,154	24,033	26,137	28,104	29,961	25,818	22,385	19,882	18,758	16,301	11,669	8,654	6,315
	39.10%	37.74%	42.49%	45.08%	45.11%	43.94%	42.40%	39.33%	38.54%	36.81%	35.64%	34.85%	31.98%	30.22%	26.99%
Red Flag Computation 16	38,600	1,881	2,898	4,602	4,530	4,474	5,173	4,260	3,277	2,101	1,460	1,030	923	1,124	867
	5.59%	5.63%	6.43%	8.63%	7.82%	6.99%	7.32%	6.49%	5.64%	3.89%	2.77%	2.20%	2.53%	3.93%	3.71%
Red Flag Computation 17	126,517	5,965	8,283	9,255	9,817	11,459	13,391	12,173	10,624	9,728	9,401	8,630	7,441	5,941	4,409
	14.31%	13.70%	14.14%	13.57%	13.18%	13.96%	14.87%	14.57%	14.27%	14.13%	14.02%	14.40%	15.84%	16.14%	14.90%
Red Flag Computation 18	45,910	2,314	3,011	3,463	3,554	4,183	4,564	4,326	4,217	4,016	3,928	3,074	2,169	1,690	1,401
	6.65%	6.93%	6.68%	6.50%	6.13%	6.54%	6.46%	6.59%	7.26%	7.44%	7.46%	6.57%	5.94%	5.90%	5.99%

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All Defendants Combination Red Flagged Prescriptions Summary
Lake County and Trumbull County, OH

Red Flag Computation 1-43, in # of Prescriptions

	Total	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Total # of Combination Red Flagged Prescriptions	884,166	43,526	58,588	68,204	74,494	82,107	90,061	83,555	74,435	68,853	67,050	59,935	46,974	36,800	29,584
Total # of Combination Red Flagged Opioid Prescriptions	690,028	33,407	45,079	53,316	57,943	63,965	70,668	65,646	58,076	54,007	52,630	46,777	36,487	28,633	23,394
Red Flag Computation 19	20,529	940	1,311	1,498	1,680	1,934	2,189	1,974	1,902	1,806	1,735	1,424	901	651	584
	2.98%	2.81%	2.91%	2.81%	2.90%	3.02%	3.10%	3.01%	3.28%	3.34%	3.30%	3.04%	2.47%	2.27%	2.50%
Red Flag Computation 20	56,604	2,894	4,027	4,974	5,402	5,879	6,122	5,547	4,659	4,411	3,950	3,487	2,132	1,672	1,448
	8.20%	8.66%	8.93%	9.33%	9.32%	9.19%	8.66%	8.45%	8.02%	8.17%	7.51%	7.45%	5.84%	5.84%	6.19%
Red Flag Computation 21	41,135	1,969	2,809	3,348	3,622	4,068	4,451	4,295	3,941	3,489	2,980	2,583	1,516	1,145	919
	5.96%	5.89%	6.23%	6.28%	6.25%	6.36%	6.30%	6.54%	6.79%	6.46%	5.66%	5.52%	4.15%	4.00%	3.93%
Red Flag Computation 22	1,361	60	83	128	157	126	112	104	128	132	117	87	45	52	30
	0.20%	0.18%	0.18%	0.24%	0.27%	0.20%	0.16%	0.16%	0.22%	0.24%	0.22%	0.19%	0.12%	0.18%	0.13%
Red Flag Computation 23	2,004	74	113	164	253	170	165	132	217	210	177	144	77	74	34
	0.29%	0.22%	0.25%	0.31%	0.44%	0.27%	0.23%	0.20%	0.37%	0.39%	0.34%	0.31%	0.21%	0.26%	0.15%
Red Flag Computation 24	76,714	2,916	4,525	5,722	6,725	7,104	7,478	7,519	7,573	7,058	7,241	5,112	3,310	2,541	1,890
	11.12%	8.73%	10.04%	10.73%	11.61%	11.11%	10.58%	11.45%	13.04%	13.07%	13.76%	10.93%	9.07%	8.87%	8.08%
Red Flag Computation 25	49,204	1,145	1,708	2,126	3,103	3,993	5,198	5,124	3,827	3,961	4,759	4,607	3,942	3,221	2,490
	7.13%	3.43%	3.79%	3.99%	5.36%	6.24%	7.36%	7.81%	6.59%	7.33%	9.04%	9.85%	10.80%	11.25%	10.64%
Red Flag Computation 26	45,394	2,260	2,936	3,767	4,268	5,070	6,379	6,367	2,685	2,121	2,480	2,430	1,890	1,516	1,225
	6.58%	6.77%	6.51%	7.07%	7.37%	7.93%	9.03%	9.70%	4.62%	3.93%	4.71%	5.19%	5.18%	5.29%	5.24%
Red Flag Computation 27	16	0	2	2	0	1	11	0	0	0	0	0	0	0	0
	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.02%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Red Flag Computation 28	817	34	12	22	102	93	124	100	54	75	62	34	35	44	26
	0.12%	0.10%	0.03%	0.04%	0.18%	0.15%	0.18%	0.15%	0.09%	0.14%	0.12%	0.07%	0.10%	0.15%	0.11%
Red Flag Computation 29	9,838	660	990	1,207	1,463	1,426	1,612	1,149	829	502	0	0	0	0	0
	1.43%	1.98%	2.20%	2.26%	2.52%	2.23%	2.28%	1.75%	1.43%	0.93%	0.00%	0.00%	0.00%	0.00%	0.00%
Red Flag Computation 30	44,442	2,868	4,146	5,053	5,142	5,381	5,806	4,538	3,605	2,657	1,743	1,210	949	736	608
	6.44%	8.59%	9.20%	9.48%	8.87%	8.41%	8.22%	6.91%	6.21%	4.92%	3.31%	2.59%	2.60%	2.57%	2.60%
Red Flag Computation 31	47,492	1,111	2,910	3,484	4,000	4,410	5,858	4,639	4,017	3,892	3,835	3,590	2,475	1,683	1,588
	6.88%	3.33%	6.46%	6.53%	6.90%	6.89%	8.29%	7.07%	6.92%	7.21%	7.29%	7.67%	6.78%	5.88%	6.79%
Red Flag Computation 32	3,555	229	293	457	517	453	497	412	288	175	90	58	43	20	23
	0.52%	0.69%	0.65%	0.86%	0.89%	0.71%	0.70%	0.63%	0.50%	0.32%	0.17%	0.12%	0.12%	0.07%	0.10%
Red Flag Computation 33	24,452	1,473	1,576	2,317	2,389	2,892	2,836	2,167	1,621	1,609	1,775	1,632	913	778	474
	3.54%	4.41%	3.50%	4.35%	4.12%	4.52%	4.01%	3.30%	2.79%	2.98%	3.37%	3.49%	2.50%	2.72%	2.03%
Red Flag Computation 34	9,232	31	55	99	242	419	648	791	802	844	1,453	1,434	1,078	716	620
	1.34%	0.09%	0.12%	0.19%	0.42%	0.66%	0.92%	1.20%	1.38%	1.56%	2.76%	3.07%	2.95%	2.50%	2.65%
Red Flag Computation 35	93,449	5,840	7,367	7,687	8,165	9,009	7,796	6,963	6,574	6,640	7,154	6,344	5,220	4,473	4,217
	13.54%	17.48%	16.34%	14.42%	14.09%	14.08%	11.03%	10.61%	11.32%	12.29%	13.59%	13.56%	14.31%	15.62%	18.03%
Red Flag Computation 36	83,224	3,249	4,182	5,090	5,291	7,466	9,608	8,895	7,809	7,187	7,172	5,996	4,863	3,811	2,605
	12.06%	9.73%	9.28%	9.55%	9.13%	11.67%	13.60%	13.55%	13.45%	13.31%	13.63%	12.82%	13.33%	13.31%	11.14%

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All Defendants Combination Red Flagged Prescriptions Summary
Lake County and Trumbull County, OH

Red Flag Computation 1-43, in # of Prescriptions

	Total	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Total # of Combination Red Flagged Prescriptions	884,166	43,526	58,588	68,204	74,494	82,107	90,061	83,555	74,435	68,853	67,050	59,935	46,974	36,800	29,584
Total # of Combination Red Flagged Opioid Prescriptions	690,028	33,407	45,079	53,316	57,943	63,965	70,668	65,646	58,076	54,007	52,630	46,777	36,487	28,633	23,394
Red Flag Computation 37	1,756	74	92	177	227	242	262	196	117	91	78	64	56	61	19
	0.25%	0.22%	0.20%	0.33%	0.39%	0.38%	0.37%	0.30%	0.20%	0.17%	0.15%	0.14%	0.15%	0.21%	0.08%
Red Flag Computation 38	402,122	20,964	27,819	31,236	34,541	37,785	40,288	37,641	34,024	30,743	29,588	26,890	21,322	16,497	12,784
	45.48%	48.16%	47.48%	45.80%	46.37%	46.02%	44.73%	45.05%	45.71%	44.65%	44.13%	44.87%	45.39%	44.83%	43.21%
Red Flag Computation 39	32,179	1,589	2,879	3,183	3,550	3,365	3,634	3,422	2,531	2,113	1,901	1,542	1,080	717	673
	3.64%	3.65%	4.91%	4.67%	4.77%	4.10%	4.04%	4.10%	3.40%	3.07%	2.84%	2.57%	2.30%	1.95%	2.27%
Red Flag Computation 40	19,832	1,152	1,458	2,588	2,370	2,156	2,350	1,714	1,308	1,317	1,197	921	522	436	343
	2.87%	3.45%	3.23%	4.85%	4.09%	3.37%	3.33%	2.61%	2.25%	2.44%	2.27%	1.97%	1.43%	1.52%	1.47%
Red Flag Computation 41	162,598	8,662	12,120	13,346	14,750	15,858	16,569	15,992	12,939	11,077	10,422	10,076	8,603	6,693	5,491
	18.39%	19.90%	20.69%	19.57%	19.80%	19.31%	18.40%	19.14%	17.38%	16.09%	15.54%	16.81%	18.31%	18.19%	18.56%
Red Flag Computation 42	59,519	4,131	5,287	5,229	6,093	6,791	6,578	5,380	4,623	4,180	3,474	2,867	2,001	1,439	1,446
	6.73%	9.49%	9.02%	7.67%	8.18%	8.27%	7.30%	6.44%	6.21%	6.07%	5.18%	4.78%	4.26%	3.91%	4.89%
Red Flag Computation 43	1,646	116	191	289	279	235	273	135	81	35	8	1	1	0	2
	0.19%	0.27%	0.33%	0.42%	0.37%	0.29%	0.30%	0.16%	0.11%	0.05%	0.01%	0.00%	0.00%	0.00%	0.01%
Flagged for Any of the Red Flag Computation 1-43	884,166	43,526	58,588	68,204	74,494	82,107	90,061	83,555	74,435	68,853	67,050	59,935	46,974	36,800	29,584
	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%

Notes

Defendant	Date Range
CVS	January 1, 2006 to November 29, 2019
Giant Eagle/HBC	January 1, 2006 to December 3, 2019
Rite Aid	January 1, 2006 to November 19, 2019
Walgreens	January 3, 2006 to January 3, 2020
Wal-Mart	January 2, 2006 to April 25, 2018

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All Defendants Combination Red Flagged Prescriptions Summary
Lake County and Trumbull County, OH
Red Flag Computation 1-43, in Dosage Units

	Total	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Total Dosage Units of Combination Red Flagged Prescriptions	66,225,296	2,914,963	4,150,563	5,054,609	5,674,987	6,272,146	7,051,948	6,486,145	5,666,135	5,149,225	4,948,589	4,469,724	3,543,108	2,716,341	2,126,813
Total Dosage Units of Combination Red Flagged Opioid Prescriptions	53,924,978	2,279,871	3,298,089	4,120,321	4,605,040	5,113,402	5,828,091	5,360,189	4,647,871	4,205,022	4,037,207	3,633,937	2,876,502	2,181,913	1,737,523
Red Flag Computation 1	2,826,568	120,628	171,794	200,146	249,824	297,590	364,342	307,220	249,576	228,172	195,213	155,040	125,355	93,085	68,583
	5.24%	5.29%	5.21%	4.86%	5.43%	5.82%	6.25%	5.73%	5.37%	5.43%	4.84%	4.27%	4.36%	4.27%	3.95%
Red Flag Computation 2	13,533,670	546,459	774,909	987,426	1,051,900	1,254,230	1,501,000	1,371,123	1,193,898	1,068,437	1,013,291	945,339	784,641	610,227	430,790
	25.10%	23.97%	23.50%	23.96%	22.84%	24.53%	25.75%	25.58%	25.69%	25.41%	25.10%	26.01%	27.28%	27.97%	24.79%
Red Flag Computation 3	7,382,057	356,855	528,529	676,244	740,791	771,140	823,572	740,686	622,202	551,404	503,652	450,914	275,983	195,294	144,791
	13.69%	15.65%	16.03%	16.41%	16.09%	15.08%	14.13%	13.82%	13.39%	13.11%	12.48%	12.41%	9.59%	8.95%	8.33%
Red Flag Computation 4	4,369,214	138,352	229,984	318,463	375,420	389,365	431,459	462,940	440,526	408,397	422,587	300,194	199,893	146,834	104,800
	8.10%	6.07%	6.97%	7.73%	8.15%	7.61%	7.40%	8.64%	9.48%	9.71%	10.47%	8.26%	6.95%	6.73%	6.03%
Red Flag Computation 5	9,353,008	449,516	697,912	776,352	938,153	996,111	1,079,435	956,462	801,150	677,650	595,167	526,194	373,758	276,837	208,311
	14.12%	15.42%	16.81%	15.36%	16.53%	15.88%	15.31%	14.75%	14.14%	13.16%	12.03%	11.77%	10.55%	10.19%	9.79%
Red Flag Computation 6	2,689,221	136,077	238,139	264,608	292,891	279,132	298,426	283,536	211,728	173,201	160,444	137,156	89,541	65,992	58,350
	4.06%	4.67%	5.74%	5.23%	5.16%	4.45%	4.23%	4.37%	3.74%	3.36%	3.24%	3.07%	2.53%	2.43%	2.74%
Red Flag Computation 7	35,069,791	1,647,585	2,240,930	2,661,520	2,996,384	3,240,366	3,559,148	3,280,100	2,980,225	2,761,691	2,705,244	2,451,701	1,939,239	1,512,012	1,093,646
	52.96%	56.52%	53.99%	52.66%	52.80%	51.66%	50.47%	50.57%	52.60%	53.63%	54.67%	54.85%	54.73%	55.66%	51.42%
Red Flag Computation 8	23,678,202	1,133,440	1,504,434	1,721,144	1,933,231	2,111,813	2,287,901	2,171,303	2,000,188	1,875,826	1,868,209	1,715,544	1,407,835	1,125,112	822,222
	35.75%	38.88%	36.25%	34.05%	34.07%	33.67%	32.44%	33.48%	35.30%	36.43%	37.75%	38.38%	39.73%	41.42%	38.66%
Red Flag Computation 9	3,162,109	78,801	149,672	262,694	253,401	294,902	402,808	308,561	266,845	255,203	293,261	255,983	150,593	97,185	92,200
	5.86%	3.46%	4.54%	6.38%	5.50%	5.77%	6.91%	5.76%	5.74%	6.07%	7.26%	7.04%	5.24%	4.45%	5.31%
Red Flag Computation 10	5,263,867	168,879	234,446	363,616	452,343	501,736	654,844	555,337	384,019	328,017	344,700	246,979	153,419	90,112	785,420
	9.76%	7.41%	7.11%	8.82%	9.82%	9.81%	11.24%	10.36%	8.26%	7.80%	8.54%	6.80%	5.33%	4.13%	45.20%
Red Flag Computation 11	4,664,895	168,879	234,446	363,616	452,343	501,736	654,844	555,337	384,019	328,017	344,700	246,979	153,419	90,112	186,448
	8.65%	7.41%	7.11%	8.82%	9.82%	9.81%	11.24%	10.36%	8.26%	7.80%	8.54%	6.80%	5.33%	4.13%	10.73%
Red Flag Computation 12	7,531,021	110,360	254,206	330,318	509,578	684,522	897,190	843,509	632,016	601,083	665,960	647,396	558,108	450,663	346,112
	13.97%	4.84%	7.71%	8.02%	11.07%	13.39%	15.39%	15.74%	13.60%	14.29%	16.50%	17.82%	19.40%	20.65%	19.92%
Red Flag Computation 13	4,658,662	144,804	248,459	339,724	423,805	529,186	680,759	668,413	333,939	267,691	275,386	263,680	195,460	158,833	128,523
	8.64%	6.35%	7.53%	8.25%	9.20%	10.35%	11.68%	12.47%	7.18%	6.37%	6.82%	7.26%	6.80%	7.28%	7.40%
Red Flag Computation 14	1,223,647	76,843	123,574	151,768	183,396	175,268	212,330	144,270	99,606	56,592	0	0	0	0	0
	2.27%	3.37%	3.75%	3.68%	3.98%	3.43%	3.64%	2.69%	2.14%	1.35%	0.00%	0.00%	0.00%	0.00%	0.00%
Red Flag Computation 15	22,861,739	966,648	1,544,092	2,046,815	2,262,684	2,406,017	2,687,282	2,334,602	1,971,379	1,707,162	1,524,665	1,292,736	951,399	670,593	495,665
	42.40%	42.40%	46.82%	49.68%	49.13%	47.05%	46.11%	43.55%	42.41%	40.60%	37.77%	35.57%	33.07%	30.73%	28.53%
Red Flag Computation 16	2,361,206	120,215	182,949	278,140	296,352	290,030	358,942	240,275	188,412	116,324	78,291	49,548	50,378	61,381	49,969
	4.38%	5.27%	5.55%	6.75%	6.44%	5.67%	6.16%	4.48%	4.05%	2.77%	1.94%	1.36%	1.75%	2.81%	2.88%
Red Flag Computation 17	9,738,247	401,205	583,632	722,858	788,792	912,612	1,087,932	1,003,152	823,632	731,724	703,741	659,817	560,235	446,110	312,805
	14.70%	13.76%	14.06%	14.30%	13.90%	14.55%	15.43%	15.47%	14.54%	14.21%	14.22%	14.76%	15.81%	16.42%	14.71%
Red Flag Computation 18	2,348,687	115,050	156,628	198,061	196,248	230,994	245,265	219,714	212,408	203,370	187,513	153,037	102,922	72,599	54,878
	4.36%	5.05%	4.75%	4.81%	4.26%	4.52%	4.21%	4.10%	4.57%	4.84%	4.64%	4.21%	3.58%	3.33%	3.16%

CONFIDENTIAL – SUBJECT TO PROTECTIVE ORDER

All Defendants Combination Red Flagged Prescriptions Summary
Lake County and Trumbull County, OH
Red Flag Computation 1-43, in Dosage Units

	Total	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Total Dosage Units of Combination Red Flagged Prescriptions	66,225,296	2,914,963	4,150,563	5,054,609	5,674,987	6,272,146	7,051,948	6,486,145	5,666,135	5,149,225	4,948,589	4,469,724	3,543,108	2,716,341	2,126,813
Total Dosage Units of Combination Red Flagged Opioid Prescriptions	53,924,978	2,279,871	3,298,089	4,120,321	4,605,040	5,113,402	5,828,091	5,360,189	4,647,871	4,205,022	4,037,207	3,633,937	2,876,502	2,181,913	1,737,523
Red Flag Computation 19	1,083,344	47,725	71,544	86,558	94,136	109,645	122,051	98,653	98,908	99,038	86,240	70,430	45,167	30,312	22,937
	2.01%	2.09%	2.17%	2.10%	2.04%	2.14%	2.09%	1.84%	2.13%	2.36%	2.14%	1.94%	1.57%	1.39%	1.32%
Red Flag Computation 20	3,046,256	152,995	220,203	281,229	299,196	341,528	346,995	294,605	246,724	232,602	203,376	176,994	108,633	79,289	61,887
	5.65%	6.71%	6.68%	6.83%	6.50%	6.68%	5.95%	5.50%	5.31%	5.53%	5.04%	4.87%	3.78%	3.63%	3.56%
Red Flag Computation 21	2,226,769	105,902	159,909	193,811	197,285	231,785	246,086	230,724	217,260	184,503	152,214	130,818	77,561	57,544	41,367
	4.13%	4.65%	4.85%	4.70%	4.28%	4.53%	4.22%	4.30%	4.67%	4.39%	3.77%	3.60%	2.70%	2.64%	2.38%
Red Flag Computation 22	72,959	2,928	3,057	7,290	8,514	7,700	5,874	6,556	7,810	6,556	6,028	4,187	2,620	2,609	1,230
	0.14%	0.13%	0.09%	0.18%	0.18%	0.15%	0.10%	0.12%	0.17%	0.16%	0.15%	0.12%	0.09%	0.12%	0.07%
Red Flag Computation 23	129,433	3,770	5,143	10,724	18,132	11,171	10,907	9,850	15,487	12,461	10,947	8,895	5,310	4,436	2,200
	0.24%	0.17%	0.16%	0.26%	0.39%	0.22%	0.19%	0.18%	0.33%	0.30%	0.27%	0.24%	0.18%	0.20%	0.13%
Red Flag Computation 24	5,700,300	183,205	306,338	415,086	483,634	513,771	557,842	581,712	587,854	543,835	549,630	388,529	252,311	193,486	143,067
	10.57%	8.04%	9.29%	10.07%	10.50%	10.05%	9.57%	10.85%	12.65%	12.93%	13.61%	10.69%	8.77%	8.87%	8.23%
Red Flag Computation 25	5,283,391	75,881	182,150	237,036	363,434	495,257	650,234	619,020	444,102	414,510	450,774	440,475	370,709	305,027	234,782
	9.80%	3.33%	5.52%	5.75%	7.89%	9.69%	11.16%	11.55%	9.55%	9.86%	11.17%	12.12%	12.89%	13.98%	13.51%
Red Flag Computation 26	4,320,108	135,256	237,155	326,081	398,608	493,679	636,090	630,483	309,813	237,557	242,861	235,467	175,506	144,360	117,192
	8.01%	5.93%	7.19%	7.91%	8.66%	9.65%	10.91%	11.76%	6.67%	5.65%	6.02%	6.48%	6.10%	6.62%	6.74%
Red Flag Computation 27	1,465	0	40	0	0	15	1,410	0	0	0	0	0	0	0	0
	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.02%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Red Flag Computation 28	97,861	3,552	1,463	2,088	10,427	11,328	13,966	12,721	7,910	10,264	8,220	3,916	4,098	5,184	2,724
	0.18%	0.16%	0.04%	0.05%	0.23%	0.22%	0.24%	0.24%	0.17%	0.24%	0.20%	0.11%	0.14%	0.24%	0.16%
Red Flag Computation 29	910,747	58,830	91,283	110,662	132,000	128,427	158,944	108,258	77,720	44,623	0	0	0	0	0
	1.69%	2.58%	2.77%	2.69%	2.87%	2.51%	2.73%	2.02%	1.67%	1.06%	0.00%	0.00%	0.00%	0.00%	0.00%
Red Flag Computation 30	3,899,060	231,911	350,832	448,488	457,655	484,576	545,141	422,345	319,289	231,627	143,488	91,268	72,367	53,257	46,816
	7.23%	10.17%	10.64%	10.88%	9.94%	9.48%	9.35%	7.88%	6.87%	5.51%	3.55%	2.51%	2.52%	2.44%	2.69%
Red Flag Computation 31	5,146,012	118,146	305,174	384,515	448,417	496,843	671,671	543,876	475,280	421,626	349,744	330,014	270,130	174,221	156,355
	9.54%	5.18%	9.25%	9.33%	9.74%	9.72%	11.52%	10.15%	10.23%	10.03%	8.66%	9.08%	9.39%	7.98%	9.00%
Red Flag Computation 32	324,976	19,118	24,499	41,530	54,707	46,461	44,346	33,083	21,855	15,996	12,554	3,908	3,098	1,312	2,509
	0.60%	0.84%	0.74%	1.01%	1.19%	0.91%	0.76%	0.62%	0.47%	0.38%	0.31%	0.11%	0.11%	0.06%	0.14%
Red Flag Computation 33	1,320,925	68,585	89,432	142,783	144,007	157,746	173,617	125,477	84,557	83,789	88,341	77,698	38,822	26,483	19,588
	2.45%	3.01%	2.71%	3.47%	3.13%	3.08%	2.98%	2.34%	1.82%	1.99%	2.19%	2.14%	1.35%	1.21%	1.13%
Red Flag Computation 34	835,746	2,390	7,006	11,661	22,116	33,734	55,927	65,338	71,919	71,539	135,710	131,953	101,886	64,863	59,704
	1.55%	0.10%	0.21%	0.28%	0.48%	0.66%	0.96%	1.22%	1.55%	1.70%	3.36%	3.63%	3.54%	2.97%	3.44%
Red Flag Computation 35	5,398,033	325,862	425,750	466,098	509,467	531,772	472,052	424,698	391,690	402,545	423,074	350,187	278,698	203,488	192,652
	10.01%	14.29%	12.91%	11.31%	11.06%	10.40%	8.10%	7.92%	8.43%	9.57%	10.48%	9.64%	9.69%	9.33%	11.09%
Red Flag Computation 36	6,070,705	210,923	296,965	423,150	458,208	607,418	789,914	707,076	546,293	453,197	420,446	396,606	331,835	263,836	164,838
	11.26%	9.25%	9.00%	10.27%	9.95%	11.88%	13.55%	13.19%	11.75%	10.78%	10.41%	10.91%	11.54%	12.09%	9.49%

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All Defendants Combination Red Flagged Prescriptions Summary
Lake County and Trumbull County, OH

Red Flag Computation 1-43, in Dosage Units

	Total	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Total Dosage Units of Combination Red Flagged Prescriptions	66,225,296	2,914,963	4,150,563	5,054,609	5,674,987	6,272,146	7,051,948	6,486,145	5,666,135	5,149,225	4,948,589	4,469,724	3,543,108	2,716,341	2,126,813
Total Dosage Units of Combination Red Flagged Opioid Prescriptions	53,924,978	2,279,871	3,298,089	4,120,321	4,605,040	5,113,402	5,828,091	5,360,189	4,647,871	4,205,022	4,037,207	3,633,937	2,876,502	2,181,913	1,737,523
Red Flag Computation 37	244,229	7,091	10,339	21,415	31,401	37,752	42,579	30,297	13,475	9,437	8,915	10,849	9,676	7,853	3,150
	0.45%	0.31%	0.31%	0.52%	0.68%	0.74%	0.73%	0.57%	0.29%	0.22%	0.22%	0.30%	0.34%	0.36%	0.18%
Red Flag Computation 38	30,811,745	1,512,453	2,041,284	2,323,371	2,650,764	2,885,773	3,110,817	2,933,144	2,620,147	2,386,791	2,295,701	2,091,759	1,665,629	1,303,868	990,244
	46.53%	51.89%	49.18%	45.97%	46.71%	46.01%	44.11%	45.22%	46.24%	46.35%	46.39%	46.80%	47.01%	48.00%	46.56%
Red Flag Computation 39	2,576,019	130,761	230,008	258,025	285,596	268,661	286,749	272,352	197,648	165,039	150,532	129,601	85,201	60,254	55,592
	3.89%	4.49%	5.54%	5.10%	5.03%	4.28%	4.07%	4.20%	3.49%	3.21%	3.04%	2.90%	2.40%	2.22%	2.61%
Red Flag Computation 40	1,503,976	76,264	106,898	215,119	191,938	167,264	186,972	128,912	98,014	93,616	91,636	62,263	32,517	27,004	25,559
	2.79%	3.35%	3.24%	5.22%	4.17%	3.27%	3.21%	2.40%	2.11%	2.23%	2.27%	1.71%	1.13%	1.24%	1.47%
Red Flag Computation 41	13,493,569	658,076	960,055	1,068,821	1,213,945	1,253,035	1,363,619	1,359,958	1,070,643	936,201	887,758	869,676	755,145	605,135	491,502
	20.38%	22.58%	23.13%	21.15%	21.39%	19.98%	19.34%	20.97%	18.90%	18.18%	17.94%	19.46%	21.31%	22.28%	23.11%
Red Flag Computation 42	3,846,645	247,275	327,134	349,322	406,655	426,405	442,868	358,356	300,907	281,445	226,010	181,729	131,404	86,393	80,742
	5.81%	8.48%	7.88%	6.91%	7.17%	6.80%	6.28%	5.52%	5.31%	5.47%	4.57%	4.07%	3.71%	3.18%	3.80%
Red Flag Computation 43	100,117	6,937	9,449	16,296	18,339	14,305	18,635	8,289	4,378	2,221	984	60	14	0	210
	0.15%	0.24%	0.23%	0.32%	0.32%	0.23%	0.26%	0.13%	0.08%	0.04%	0.02%	0.00%	0.00%	0.00%	0.01%
Flagged for Any of the Red Flag Computation 1-43	66,225,296	2,914,963	4,150,563	5,054,609	5,674,987	6,272,146	7,051,948	6,486,145	5,666,135	5,149,225	4,948,589	4,469,724	3,543,108	2,716,341	2,126,813
	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%

Notes

Defendant	Date Range
CVS	January 1, 2006 to November 29, 2019
Giant Eagle/HBC	January 1, 2006 to December 3, 2019
Rite Aid	January 1, 2006 to November 19, 2019
Walgreens	January 3, 2006 to January 3, 2020
Wal-Mart	January 2, 2006 to April 25, 2018

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All Defendants Combination Red Flagged Prescriptions Summary
Lake County and Trumbull County, OH
Red Flag Computation 1-43, in MME

	Total	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Total MME of Combination Red Flagged Prescriptions	987,909,741	44,254,242	60,492,022	81,006,568	90,130,184	98,010,543	113,629,447	99,263,626	83,101,849	72,739,486	72,938,366	63,199,701	47,618,823	34,628,544	26,896,338
Total MME of Combination Red Flagged Opioid Prescriptions	987,909,741	44,254,242	60,492,022	81,006,568	90,130,184	98,010,543	113,629,447	99,263,626	83,101,849	72,739,486	72,938,366	63,199,701	47,618,823	34,628,544	26,896,338
Red Flag Computation 1	62,181,660	2,428,197	3,248,165	4,231,715	6,245,215	7,674,760	9,290,202	7,067,085	5,489,268	4,671,488	4,202,596	3,112,469	2,122,011	1,464,445	934,045
	6.29%	5.49%	5.37%	5.22%	6.93%	7.83%	8.18%	7.12%	6.61%	6.42%	5.76%	4.92%	4.46%	4.23%	3.47%
Red Flag Computation 2	254,975,499	10,507,495	15,274,116	20,841,439	21,811,993	26,272,367	30,945,003	25,254,759	22,019,546	18,633,567	18,102,845	16,304,105	12,851,255	9,634,117	6,522,891
	25.81%	23.74%	25.25%	25.73%	24.20%	26.81%	27.23%	25.44%	26.50%	25.62%	24.82%	25.80%	26.99%	27.82%	24.25%
Red Flag Computation 3	131,906,259	6,868,454	9,568,320	13,170,442	13,864,941	14,177,904	15,187,572	12,837,782	10,724,966	9,127,110	8,313,602	7,854,086	4,576,087	3,190,021	2,444,971
	13.35%	15.52%	15.82%	16.26%	15.38%	14.47%	13.37%	12.93%	12.91%	12.55%	11.40%	12.43%	9.61%	9.21%	9.09%
Red Flag Computation 4	99,666,339	3,820,893	5,452,686	7,972,209	9,098,959	8,991,867	10,293,973	11,029,691	10,065,178	8,976,368	9,153,185	6,225,285	3,953,816	2,708,456	1,923,773
	10.09%	8.63%	9.01%	9.84%	10.10%	9.17%	9.06%	11.11%	12.11%	12.34%	12.55%	9.85%	8.30%	7.82%	7.15%
Red Flag Computation 5	105,914,577	5,043,052	6,886,155	8,327,074	11,511,825	12,129,698	13,703,174	11,516,720	9,112,420	7,234,169	6,539,091	5,362,977	3,587,842	2,857,986	2,102,395
	10.72%	11.40%	11.38%	10.28%	12.77%	12.38%	12.06%	11.60%	10.97%	9.95%	8.97%	8.49%	7.53%	8.25%	7.82%
Red Flag Computation 6	24,632,388	1,134,928	1,842,246	2,232,144	2,711,857	2,871,950	3,261,912	2,785,021	2,043,361	1,707,051	1,404,057	1,025,269	588,156	516,295	508,140
	2.49%	2.56%	3.05%	2.76%	3.01%	2.93%	2.87%	2.81%	2.46%	2.35%	1.92%	1.62%	1.24%	1.49%	1.89%
Red Flag Computation 7	449,643,932	20,478,523	28,160,207	37,586,623	41,444,489	43,442,154	48,597,253	43,906,884	37,839,621	33,591,847	34,314,978	29,347,016	21,950,413	16,872,615	12,111,309
	45.51%	46.27%	46.55%	46.40%	45.98%	44.32%	42.77%	44.23%	45.53%	46.18%	47.05%	46.44%	46.10%	48.72%	45.03%
Red Flag Computation 8	245,884,458	11,425,462	15,203,406	18,896,715	20,944,061	23,075,491	25,644,985	23,260,054	20,394,845	18,357,121	19,543,710	16,858,637	13,415,356	10,837,426	8,027,190
	24.89%	25.82%	25.13%	23.33%	23.24%	23.54%	22.57%	23.43%	24.54%	25.24%	26.79%	26.68%	28.17%	31.30%	29.84%
Red Flag Computation 9	65,140,021	1,384,956	3,014,110	6,390,324	5,345,009	6,412,584	8,124,653	6,524,281	5,569,661	5,115,623	5,772,136	4,917,959	2,870,153	1,893,321	1,805,252
	6.59%	3.13%	4.98%	7.89%	5.93%	6.54%	7.15%	6.57%	6.70%	7.03%	7.91%	7.78%	6.03%	5.47%	6.71%
Red Flag Computation 10	320,437,956	15,666,202	20,368,064	29,763,240	33,722,201	35,945,281	43,189,557	35,152,304	24,477,164	18,434,948	19,058,783	13,581,028	7,986,438	4,964,148	18,128,601
	32.44%	35.40%	33.67%	36.74%	37.41%	36.67%	38.01%	35.41%	29.45%	25.34%	26.13%	21.49%	16.77%	14.34%	67.40%
Red Flag Computation 11	310,590,708	15,666,202	20,368,064	29,763,240	33,722,201	35,945,281	43,189,557	35,152,304	24,477,164	18,434,948	19,058,783	13,581,028	7,986,438	4,964,148	8,281,352
	31.44%	35.40%	33.67%	36.74%	37.41%	36.67%	38.01%	35.41%	29.45%	25.34%	26.13%	21.49%	16.77%	14.34%	30.79%
Red Flag Computation 12	99,295,517	1,150,820	2,298,485	3,506,658	7,062,113	10,532,753	15,165,343	12,402,619	7,281,610	6,666,655	8,305,648	8,114,790	7,112,245	5,456,428	4,239,353
	10.05%	2.60%	3.80%	4.33%	7.84%	10.75%	13.35%	12.49%	8.76%	9.17%	11.39%	12.84%	14.94%	15.76%	15.76%
Red Flag Computation 13	50,554,279	1,243,963	2,103,953	2,996,405	4,394,615	6,009,753	7,915,738	7,032,854	3,513,095	2,824,198	3,280,038	3,217,643	2,489,790	1,932,118	1,600,120
	5.12%	2.81%	3.48%	3.70%	4.88%	6.13%	6.97%	7.09%	4.23%	3.88%	4.50%	5.09%	5.23%	5.58%	5.95%
Red Flag Computation 14	9,454,538	569,442	944,095	1,181,278	1,404,053	1,415,290	1,646,585	1,100,684	757,582	435,532	0	0	0	0	0
	0.96%	1.29%	1.56%	1.46%	1.56%	1.44%	1.45%	1.11%	0.91%	0.60%	0.00%	0.00%	0.00%	0.00%	0.00%
Red Flag Computation 15	587,331,817	27,939,587	39,015,434	56,319,985	61,096,210	62,926,798	70,935,462	59,564,183	48,197,633	40,718,013	39,777,557	32,347,342	22,524,533	15,253,249	10,715,834
	59.45%	63.13%	64.50%	69.53%	67.79%	64.20%	62.43%	60.01%	58.00%	55.98%	54.54%	51.18%	47.30%	44.05%	39.84%
Red Flag Computation 16	33,809,603	1,359,853	2,259,146	3,524,675	3,966,185	4,328,793	6,136,121	3,567,471	2,804,194	1,750,139	1,127,664	702,849	745,415	841,149	695,950
	3.42%	3.07%	3.73%	4.35%	4.40%	4.42%	5.40%	3.59%	3.37%	2.41%	1.55%	1.11%	1.57%	2.43%	2.59%
Red Flag Computation 17	176,791,431	7,600,534	11,324,326	14,286,753	15,142,051	18,586,487	21,592,723	17,466,608	14,727,033	12,672,695	12,371,852	10,928,847	8,866,218	6,782,599	4,442,706
	17.90%	17.17%	18.72%	17.64%	16.80%	18.96%	19.00%	17.60%	17.72%	17.42%	16.96%	17.29%	18.62%	19.59%	16.52%
Red Flag Computation 18	32,897,843	1,836,868	2,364,686	2,939,337	2,827,578	3,294,795	3,691,574	3,093,148	2,879,873	2,647,119	2,399,367	1,966,571	1,346,447	893,881	716,600
	3.33%	4.15%	3.91%	3.63%	3.14%	3.36%	3.25%	3.12%	3.47%	3.64%	3.29%	3.11%	2.83%	2.58%	2.66%

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All Defendants Combination Red Flagged Prescriptions Summary
Lake County and Trumbull County, OH
Red Flag Computation 1-43, in MME

	Total	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Total MME of Combination Red Flagged Prescriptions	987,909,741	44,254,242	60,492,022	81,006,568	90,130,184	98,010,543	113,629,447	99,263,626	83,101,849	72,739,486	72,938,366	63,199,701	47,618,823	34,628,544	26,896,338
Total MME of Combination Red Flagged Opioid Prescriptions	987,909,741	44,254,242	60,492,022	81,006,568	90,130,184	98,010,543	113,629,447	99,263,626	83,101,849	72,739,486	72,938,366	63,199,701	47,618,823	34,628,544	26,896,338
Red Flag Computation 19	16,103,986	660,794	1,039,248	1,301,091	1,479,280	1,766,018	2,082,511	1,407,511	1,414,653	1,368,200	1,176,564	1,018,957	571,923	406,387	410,849
	1.63%	1.49%	1.72%	1.61%	1.64%	1.80%	1.83%	1.42%	1.70%	1.88%	1.61%	1.61%	1.20%	1.17%	1.53%
Red Flag Computation 20	49,052,616	2,682,246	3,662,461	5,014,733	5,164,208	5,872,632	5,835,708	4,548,856	3,687,877	3,338,609	2,935,530	2,744,544	1,515,864	1,080,481	968,867
	4.97%	6.06%	6.05%	6.19%	5.73%	5.99%	5.14%	4.58%	4.44%	4.59%	4.02%	4.34%	3.18%	3.12%	3.60%
Red Flag Computation 21	33,870,105	1,741,817	2,583,915	3,092,214	2,955,786	3,393,753	3,957,367	3,443,714	3,462,123	2,658,172	2,176,419	2,016,788	1,064,243	789,736	534,059
	3.43%	3.94%	4.27%	3.82%	3.28%	3.46%	3.48%	3.47%	4.17%	3.65%	2.98%	3.19%	2.23%	2.28%	1.99%
Red Flag Computation 22	1,551,590	69,872	43,896	151,350	204,708	158,195	142,721	134,675	194,660	137,659	154,822	73,920	24,918	29,713	30,484
	0.16%	0.16%	0.07%	0.19%	0.23%	0.16%	0.13%	0.14%	0.23%	0.19%	0.21%	0.12%	0.05%	0.09%	0.11%
Red Flag Computation 23	3,209,005	76,164	85,183	248,771	473,736	236,830	337,005	195,554	469,898	357,217	343,042	201,455	68,490	57,918	57,744
	0.32%	0.17%	0.14%	0.31%	0.53%	0.24%	0.30%	0.20%	0.57%	0.49%	0.47%	0.32%	0.14%	0.17%	0.21%
Red Flag Computation 24	122,645,656	4,670,513	6,593,616	9,469,432	10,596,355	10,938,892	12,554,493	13,709,796	12,840,980	11,458,636	11,283,276	7,795,758	4,791,599	3,370,698	2,571,613
	12.41%	10.55%	10.90%	11.69%	11.76%	11.16%	11.05%	13.81%	15.45%	15.75%	15.47%	12.34%	10.06%	9.73%	9.56%
Red Flag Computation 25	66,058,941	753,248	1,596,090	2,397,470	4,748,035	7,075,628	10,024,380	8,331,073	4,935,593	4,446,500	5,366,553	5,319,718	4,560,858	3,622,775	2,881,023
	6.69%	1.70%	2.64%	2.96%	5.27%	7.22%	8.82%	8.39%	5.94%	6.11%	7.36%	8.42%	9.58%	10.46%	10.71%
Red Flag Computation 26	46,113,182	1,148,763	2,023,588	2,876,168	4,018,913	5,504,100	7,173,475	6,507,597	3,247,803	2,482,840	2,875,180	2,845,323	2,205,943	1,751,100	1,452,393
	4.67%	2.60%	3.35%	3.55%	4.46%	5.62%	6.31%	6.56%	3.91%	3.41%	3.94%	4.50%	4.63%	5.06%	5.40%
Red Flag Computation 27	20,438	0	200	400	0	113	19,725	0	0	0	0	0	0	0	0
	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.02%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Red Flag Computation 28	2,709,908	130,140	14,360	109,885	354,130	343,510	429,405	249,798	127,525	178,080	201,950	142,335	150,930	172,440	105,420
	0.27%	0.29%	0.02%	0.14%	0.39%	0.35%	0.38%	0.25%	0.15%	0.24%	0.28%	0.23%	0.32%	0.50%	0.39%
Red Flag Computation 29	6,970,500	432,859	689,895	851,323	996,213	1,013,998	1,231,978	822,234	590,113	341,889	0	0	0	0	0
	0.71%	0.98%	1.14%	1.05%	1.11%	1.03%	1.08%	0.83%	0.71%	0.47%	0.00%	0.00%	0.00%	0.00%	0.00%
Red Flag Computation 30	66,136,304	4,525,794	6,257,872	8,041,423	7,796,888	8,265,980	9,246,490	6,826,107	4,704,228	3,484,983	2,648,585	1,546,952	1,149,128	948,396	693,479
	6.69%	10.23%	10.34%	9.93%	8.65%	8.43%	8.14%	6.88%	5.66%	4.79%	3.63%	2.45%	2.41%	2.74%	2.58%
Red Flag Computation 31	94,873,293	2,237,398	5,435,060	6,732,693	7,959,785	9,094,158	13,500,608	10,897,078	8,575,861	7,114,850	7,078,397	6,262,372	4,763,056	2,905,593	2,316,386
	9.60%	5.06%	8.98%	8.31%	8.83%	9.28%	11.88%	10.98%	10.32%	9.78%	9.70%	9.91%	10.00%	8.39%	8.61%
Red Flag Computation 32	5,636,896	193,925	310,162	546,990	832,115	826,776	899,725	731,907	462,075	357,385	276,560	87,083	48,230	23,005	40,960
	0.57%	0.44%	0.51%	0.68%	0.92%	0.84%	0.79%	0.74%	0.56%	0.49%	0.38%	0.14%	0.10%	0.07%	0.15%
Red Flag Computation 33	58,623,020	2,760,301	3,417,533	6,855,039	6,481,981	7,464,462	8,893,747	6,003,927	3,720,028	3,377,172	3,768,895	3,273,765	1,316,716	721,825	567,628
	5.93%	6.24%	5.65%	8.46%	7.19%	7.62%	7.83%	6.05%	4.48%	4.64%	5.17%	5.18%	2.77%	2.08%	2.11%
Red Flag Computation 34	19,398,409	35,908	98,888	267,255	805,945	1,128,953	2,210,301	2,681,803	2,311,939	1,810,628	2,310,078	2,200,592	1,642,488	1,001,356	892,275
	1.96%	0.08%	0.16%	0.33%	0.89%	1.15%	1.95%	2.70%	2.78%	2.49%	3.17%	3.48%	3.45%	2.89%	3.32%
Red Flag Computation 35	133,585,633	8,383,684	9,833,432	11,668,108	13,399,124	13,524,656	12,927,977	10,567,463	9,133,186	10,422,495	11,470,745	9,038,518	6,220,441	3,739,658	3,256,148
	13.52%	18.94%	16.26%	14.40%	14.87%	13.80%	11.38%	10.65%	10.99%	14.33%	15.73%	14.30%	13.06%	10.80%	12.11%
Red Flag Computation 36	116,335,412	4,032,837	5,357,241	8,922,401	9,999,710	13,527,342	16,791,485	12,798,165	10,438,229	8,026,756	7,568,724	6,894,490	5,545,484	3,989,703	2,442,844
	11.78%	9.11%	8.86%	11.01%	11.09%	13.80%	14.78%	12.89%	12.56%	11.03%	10.38%	10.91%	11.65%	11.52%	9.08%

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All Defendants Combination Red Flagged Prescriptions Summary
Lake County and Trumbull County, OH

Red Flag Computation 1-43, in MME

	Total	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Total MME of Combination Red Flagged Prescriptions	987,909,741	44,254,242	60,492,022	81,006,568	90,130,184	98,010,543	113,629,447	99,263,626	83,101,849	72,739,486	72,938,366	63,199,701	47,618,823	34,628,544	26,896,338
Total MME of Combination Red Flagged Opioid Prescriptions	987,909,741	44,254,242	60,492,022	81,006,568	90,130,184	98,010,543	113,629,447	99,263,626	83,101,849	72,739,486	72,938,366	63,199,701	47,618,823	34,628,544	26,896,338
Red Flag Computation 37	3,811,824	62,123	92,573	236,300	485,815	754,220	912,451	556,338	99,373	76,160	124,513	158,370	139,418	88,560	25,613
	0.39%	0.14%	0.15%	0.29%	0.54%	0.77%	0.80%	0.56%	0.12%	0.10%	0.17%	0.25%	0.29%	0.26%	0.10%
Red Flag Computation 38	332,703,233	15,959,124	21,083,539	26,083,978	29,532,294	32,849,066	36,496,008	33,240,840	27,985,338	24,176,917	24,475,255	21,402,404	16,408,914	13,000,757	10,008,802
	33.68%	36.06%	34.85%	32.20%	32.77%	33.52%	32.12%	33.49%	33.68%	33.24%	33.56%	33.86%	34.46%	37.54%	37.21%
Red Flag Computation 39	23,291,804	1,072,318	1,726,761	2,162,399	2,637,367	2,746,550	3,129,572	2,629,428	1,889,309	1,615,176	1,246,794	943,339	546,186	465,235	481,370
	2.36%	2.42%	2.85%	2.67%	2.93%	2.80%	2.75%	2.65%	2.27%	2.22%	1.71%	1.49%	1.15%	1.34%	1.79%
Red Flag Computation 40	66,932,069	3,347,848	4,230,817	10,123,588	9,109,992	7,830,701	8,855,833	5,946,405	4,433,021	3,754,204	3,918,583	2,334,348	1,181,217	955,974	909,540
	6.78%	7.57%	6.99%	12.50%	10.11%	7.99%	7.79%	5.99%	5.33%	5.16%	5.37%	3.69%	2.48%	2.76%	3.38%
Red Flag Computation 41	167,207,398	7,996,130	10,794,322	14,040,283	15,995,786	16,665,866	18,766,764	17,098,642	12,864,654	11,001,254	11,371,264	10,238,941	8,246,178	6,681,108	5,446,203
	16.93%	18.07%	17.84%	17.33%	17.75%	17.00%	16.52%	17.23%	15.48%	15.12%	15.59%	16.20%	17.32%	19.29%	20.25%
Red Flag Computation 42	57,426,774	3,045,243	4,053,243	5,314,814	6,591,741	6,448,104	7,136,201	5,832,141	4,332,161	4,298,190	3,435,539	2,740,302	1,942,449	1,200,024	1,056,622
	5.81%	6.88%	6.70%	6.56%	7.31%	6.58%	6.28%	5.88%	5.21%	5.91%	4.71%	4.34%	4.08%	3.47%	3.93%
Red Flag Computation 43	1,175,481	67,195	81,471	204,975	219,314	151,694	252,165	107,095	54,050	23,363	10,905	450	105	0	2,700
	0.12%	0.15%	0.13%	0.25%	0.24%	0.15%	0.22%	0.11%	0.07%	0.03%	0.01%	0.00%	0.00%	0.00%	0.01%
Flagged for Any of the Red Flag Computation 1-43	987,909,741	44,254,242	60,492,022	81,006,568	90,130,184	98,010,543	113,629,447	99,263,626	83,101,849	72,739,486	72,938,366	63,199,701	47,618,823	34,628,544	26,896,338
	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%

Notes

Defendant	Date Range
CVS	January 1, 2006 to November 29, 2019
Giant Eagle/HBC	January 1, 2006 to December 3, 2019
Rite Aid	January 1, 2006 to November 19, 2019
Walgreens	January 3, 2006 to January 3, 2020
Wal-Mart	January 2, 2006 to April 25, 2018

CONFIDENTIAL – SUBJECT TO PROTECTIVE ORDER

All Defendants Combination Red Flagged Prescriptions Summary
Lake County, OH
Red Flag Computation 1-43, in # of Prescriptions

	Total	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Total # of Combination Red Flagged Prescriptions	367,021	15,418	24,242	28,199	32,055	36,204	41,036	37,130	33,093	29,406	27,323	22,951	17,262	12,537	10,165
Total # of Combination Red Flagged Opioid Prescriptions	303,723	12,414	19,566	23,135	26,231	29,617	33,796	30,855	27,435	24,320	22,707	19,226	14,768	10,793	8,860
Red Flag Computation 1	21,897	948	1,315	1,487	1,935	2,231	2,641	2,327	1,918	1,858	1,608	1,300	1,080	752	497
	7.21%	7.64%	6.72%	6.43%	7.38%	7.53%	7.81%	7.54%	6.99%	7.64%	7.08%	6.76%	7.31%	6.97%	5.61%
Red Flag Computation 2	100,406	3,756	5,455	6,019	6,657	8,719	11,319	10,366	9,660	8,683	8,823	7,520	6,010	4,137	3,282
	33.06%	30.26%	27.88%	26.02%	25.38%	29.44%	33.49%	33.60%	35.21%	35.70%	38.86%	39.11%	40.70%	38.33%	37.04%
Red Flag Computation 3	48,190	2,391	3,795	4,262	4,648	5,109	5,279	4,618	4,291	3,663	3,381	2,846	1,759	1,156	992
	15.87%	19.26%	19.40%	18.42%	17.72%	17.25%	15.62%	14.97%	15.64%	15.06%	14.89%	14.80%	11.91%	10.71%	11.20%
Red Flag Computation 4	25,952	852	1,713	2,193	2,545	2,690	2,644	2,568	2,469	2,104	1,936	1,696	1,216	757	569
	8.54%	6.86%	8.75%	9.48%	9.70%	9.08%	7.82%	8.32%	9.00%	8.65%	8.53%	8.82%	8.23%	7.01%	6.42%
Red Flag Computation 5	51,399	2,403	4,082	4,193	5,483	6,280	6,049	5,032	4,375	3,941	3,375	2,502	1,692	1,120	872
	14.00%	15.59%	16.84%	14.87%	17.10%	17.35%	14.74%	13.55%	13.22%	13.40%	12.35%	10.90%	9.80%	8.93%	8.58%
Red Flag Computation 6	11,695	547	1,027	1,121	1,349	1,406	1,493	1,325	911	854	619	432	284	181	146
	3.19%	3.55%	4.24%	3.98%	4.21%	3.88%	3.64%	3.57%	2.75%	2.90%	2.27%	1.88%	1.65%	1.44%	1.44%
Red Flag Computation 7	169,604	7,263	11,465	13,343	15,392	16,908	18,900	16,541	15,231	13,833	13,018	10,729	7,485	5,490	4,006
	46.21%	47.11%	47.29%	47.32%	48.02%	46.70%	46.06%	44.55%	46.02%	47.04%	47.64%	46.75%	43.36%	43.79%	39.41%
Red Flag Computation 8	92,119	4,190	6,403	7,295	8,017	9,172	10,490	9,270	8,387	7,478	6,907	5,698	3,910	2,788	2,114
	25.10%	27.18%	26.41%	25.87%	25.01%	25.33%	25.56%	24.97%	25.34%	25.43%	25.28%	24.83%	22.65%	22.24%	20.80%
Red Flag Computation 9	14,337	446	764	1,235	1,285	1,545	1,951	1,586	1,355	1,133	1,035	805	511	314	372
	4.72%	3.59%	3.90%	5.34%	4.90%	5.22%	5.77%	5.14%	4.94%	4.66%	4.56%	4.19%	3.46%	2.91%	4.20%
Red Flag Computation 10	15,351	614	872	1,134	1,328	1,475	1,827	1,432	1,102	925	947	616	313	178	2,588
	5.05%	4.95%	4.46%	4.90%	5.06%	4.98%	5.41%	4.64%	4.02%	3.80%	4.17%	3.20%	2.12%	1.65%	29.21%
Red Flag Computation 11	13,427	614	872	1,134	1,328	1,475	1,827	1,432	1,102	925	947	616	313	178	664
	4.42%	4.95%	4.46%	4.90%	5.06%	4.98%	5.41%	4.64%	4.02%	3.80%	4.17%	3.20%	2.12%	1.65%	7.49%
Red Flag Computation 12	23,704	531	1,102	1,292	1,986	2,429	3,057	3,015	2,122	1,795	1,313	1,352	1,357	1,358	995
	7.80%	4.28%	5.63%	5.58%	7.57%	8.20%	9.05%	9.77%	7.73%	7.38%	5.78%	7.03%	9.19%	12.58%	11.23%
Red Flag Computation 13	17,762	664	1,020	1,435	1,806	2,231	3,142	3,164	1,345	734	412	421	557	438	393
	5.85%	5.35%	5.21%	6.20%	6.88%	7.53%	9.30%	10.25%	4.90%	3.02%	1.81%	2.19%	3.77%	4.06%	4.44%
Red Flag Computation 14	5,194	330	515	599	742	687	872	653	493	303	0	0	0	0	0
	1.71%	2.66%	2.63%	2.59%	2.83%	2.32%	2.58%	2.12%	1.80%	1.25%	0.00%	0.00%	0.00%	0.00%	0.00%
Red Flag Computation 15	122,079	4,959	8,883	10,741	12,381	13,629	13,993	12,034	10,828	9,131	7,896	6,647	4,994	3,339	2,624
	40.19%	39.95%	45.40%	46.43%	47.20%	46.02%	41.40%	39.00%	39.47%	37.55%	34.77%	34.57%	33.82%	30.94%	29.62%
Red Flag Computation 16	23,110	1,086	1,638	2,606	2,875	2,834	3,155	2,464	1,918	1,194	944	700	537	633	526
	7.61%	8.75%	8.37%	11.26%	10.96%	9.57%	9.34%	7.99%	6.99%	4.91%	4.16%	3.64%	3.64%	5.86%	5.94%
Red Flag Computation 17	64,081	2,642	3,987	4,124	4,637	5,849	7,626	6,713	5,987	5,186	5,006	4,405	3,683	2,435	1,801
	17.46%	17.14%	16.45%	14.62%	14.47%	16.16%	18.58%	18.08%	18.09%	17.64%	18.32%	19.19%	21.34%	19.42%	17.72%
Red Flag Computation 18	22,709	1,036	1,421	1,512	1,644	2,076	2,322	2,236	2,141	2,028	2,157	1,606	1,141	773	616
	7.48%	8.35%	7.26%	6.54%	6.27%	7.01%	6.87%	7.25%	7.80%	8.34%	9.50%	8.35%	7.73%	7.16%	6.95%

CONFIDENTIAL – SUBJECT TO PROTECTIVE ORDER

All Defendants Combination Red Flagged Prescriptions Summary
Lake County, OH
Red Flag Computation 1-43, in # of Prescriptions

	Total	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Total # of Combination Red Flagged Prescriptions	367,021	15,418	24,242	28,199	32,055	36,204	41,036	37,130	33,093	29,406	27,323	22,951	17,262	12,537	10,165
Total # of Combination Red Flagged Opioid Prescriptions	303,723	12,414	19,566	23,135	26,231	29,617	33,796	30,855	27,435	24,320	22,707	19,226	14,768	10,793	8,860
Red Flag Computation 19	10,238	444	658	674	818	935	1,078	1,001	981	925	961	766	441	287	269
	3.37%	3.58%	3.36%	2.91%	3.12%	3.16%	3.19%	3.24%	3.58%	3.80%	4.23%	3.98%	2.99%	2.66%	3.04%
Red Flag Computation 20	28,958	1,441	2,192	2,503	2,805	2,890	3,091	2,813	2,544	2,353	2,183	1,876	1,007	652	608
	9.53%	11.61%	11.20%	10.82%	10.69%	9.76%	9.15%	9.12%	9.27%	9.68%	9.61%	9.76%	6.82%	6.04%	6.86%
Red Flag Computation 21	21,196	974	1,493	1,630	1,927	2,214	2,437	2,103	1,991	1,749	1,662	1,358	745	471	442
	6.98%	7.85%	7.63%	7.05%	7.35%	7.48%	7.21%	6.82%	7.26%	7.19%	7.32%	7.06%	5.04%	4.36%	4.99%
Red Flag Computation 22	821	34	54	68	88	76	65	47	81	87	85	65	26	23	22
	0.27%	0.27%	0.28%	0.29%	0.34%	0.26%	0.19%	0.15%	0.30%	0.36%	0.37%	0.34%	0.18%	0.21%	0.25%
Red Flag Computation 23	1,213	41	74	93	151	112	84	64	126	132	123	111	49	30	23
	0.40%	0.33%	0.38%	0.40%	0.58%	0.38%	0.25%	0.21%	0.46%	0.54%	0.54%	0.58%	0.33%	0.28%	0.26%
Red Flag Computation 24	38,658	1,198	2,555	3,153	3,618	3,938	3,940	3,744	3,688	3,215	3,100	2,574	1,816	1,188	931
	12.73%	9.65%	13.06%	13.63%	13.79%	13.30%	11.66%	12.13%	13.44%	13.22%	13.65%	13.39%	12.30%	11.01%	10.51%
Red Flag Computation 25	16,964	388	790	941	1,480	1,812	2,384	2,381	1,513	1,202	811	845	845	880	692
	5.59%	3.13%	4.04%	4.07%	5.64%	6.12%	7.05%	7.72%	5.51%	4.94%	3.57%	4.40%	5.72%	8.15%	7.81%
Red Flag Computation 26	16,697	628	970	1,385	1,705	2,099	2,984	3,011	1,261	655	362	377	496	396	368
	5.50%	5.06%	4.96%	5.99%	6.50%	7.09%	8.83%	9.76%	4.60%	2.69%	1.59%	1.96%	3.36%	3.67%	4.15%
Red Flag Computation 27	6	0	2	0	0	1	3	0	0	0	0	0	0	0	0
	0.00%	0.00%	0.01%	0.00%	0.00%	0.00%	0.01%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Red Flag Computation 28	577	24	10	18	78	78	114	88	41	57	31	8	12	14	4
	0.19%	0.19%	0.05%	0.08%	0.30%	0.26%	0.34%	0.29%	0.15%	0.23%	0.14%	0.04%	0.08%	0.13%	0.05%
Red Flag Computation 29	4,027	260	402	447	563	526	684	498	396	251	0	0	0	0	0
	1.33%	2.09%	2.05%	1.93%	2.15%	1.78%	2.02%	1.61%	1.44%	1.03%	0.00%	0.00%	0.00%	0.00%	0.00%
Red Flag Computation 30	21,227	1,231	1,912	2,206	2,348	2,487	2,855	2,282	1,863	1,379	934	611	464	334	321
	6.99%	9.92%	9.77%	9.54%	8.95%	8.40%	8.45%	7.40%	6.79%	5.67%	4.11%	3.18%	3.14%	3.09%	3.62%
Red Flag Computation 31	19,423	455	1,234	1,463	1,779	2,076	2,701	2,237	1,955	1,573	1,087	975	748	561	579
	6.39%	3.67%	6.31%	6.32%	6.78%	7.01%	7.99%	7.25%	7.13%	6.47%	4.79%	5.07%	5.07%	5.20%	6.53%
Red Flag Computation 32	2,596	180	237	318	363	307	350	294	211	150	73	44	33	16	20
	0.85%	1.45%	1.21%	1.37%	1.38%	1.04%	1.04%	0.95%	0.77%	0.62%	0.32%	0.23%	0.22%	0.15%	0.23%
Red Flag Computation 33	7,877	383	493	877	916	1,034	855	611	558	476	506	474	294	194	206
	2.59%	3.09%	2.52%	3.79%	3.49%	3.49%	2.53%	1.98%	2.03%	1.96%	2.23%	2.47%	1.99%	1.80%	2.33%
Red Flag Computation 34	5,098	21	27	43	93	169	288	443	467	467	761	703	637	514	465
	1.68%	0.17%	0.14%	0.19%	0.35%	0.57%	0.85%	1.44%	1.70%	1.92%	3.35%	3.66%	4.31%	4.76%	5.25%
Red Flag Computation 35	40,937	1,744	3,020	3,240	3,908	4,148	3,533	3,247	3,254	3,183	3,235	2,794	2,322	1,906	1,403
	13.48%	14.05%	15.43%	14.00%	14.90%	14.01%	10.45%	10.52%	11.86%	13.09%	14.25%	14.53%	15.72%	17.66%	15.84%
Red Flag Computation 36	48,608	1,310	1,830	2,017	2,666	4,332	6,292	5,625	5,103	4,464	4,809	3,862	2,864	1,857	1,577
	16.00%	10.55%	9.35%	8.72%	10.16%	14.63%	18.62%	18.23%	18.60%	18.36%	21.18%	20.09%	19.39%	17.21%	17.80%

CONFIDENTIAL – SUBJECT TO PROTECTIVE ORDER

All Defendants Combination Red Flagged Prescriptions Summary
Lake County, OH

Red Flag Computation 1-43, in # of Prescriptions

	Total	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Total # of Combination Red Flagged Prescriptions	367,021	15,418	24,242	28,199	32,055	36,204	41,036	37,130	33,093	29,406	27,323	22,951	17,262	12,537	10,165
Total # of Combination Red Flagged Opioid Prescriptions	303,723	12,414	19,566	23,135	26,231	29,617	33,796	30,855	27,435	24,320	22,707	19,226	14,768	10,793	8,860
Red Flag Computation 37	1,267	63	82	164	182	188	196	151	77	52	35	28	12	32	5
	0.42%	0.51%	0.42%	0.71%	0.69%	0.63%	0.58%	0.49%	0.28%	0.21%	0.15%	0.15%	0.08%	0.30%	0.06%
Red Flag Computation 38	131,362	6,357	9,655	10,828	12,271	13,923	15,281	13,342	11,680	10,242	9,017	7,425	5,070	3,478	2,793
	35.79%	41.23%	39.83%	38.40%	38.28%	38.46%	37.24%	35.93%	35.29%	34.83%	33.00%	32.35%	29.37%	27.74%	27.48%
Red Flag Computation 39	11,212	527	980	1,095	1,318	1,342	1,416	1,278	868	821	597	408	264	158	140
	3.05%	3.42%	4.04%	3.88%	4.11%	3.71%	3.45%	3.44%	2.62%	2.79%	2.18%	1.78%	1.53%	1.26%	1.38%
Red Flag Computation 40	8,125	475	569	1,229	1,062	1,022	853	602	547	549	445	302	213	134	123
	2.68%	3.83%	2.91%	5.31%	4.05%	3.45%	2.52%	1.95%	1.99%	2.26%	1.96%	1.57%	1.44%	1.24%	1.39%
Red Flag Computation 41	46,443	2,247	3,721	4,222	4,774	5,468	5,658	5,212	4,033	3,247	2,772	2,075	1,399	855	760
	12.65%	14.57%	15.35%	14.97%	14.89%	15.10%	13.79%	14.04%	12.19%	11.04%	10.15%	9.04%	8.10%	6.82%	7.48%
Red Flag Computation 42	25,373	1,355	2,287	2,093	2,715	3,146	2,869	2,429	2,079	1,992	1,600	1,166	687	511	444
	6.91%	8.79%	9.43%	7.42%	8.47%	8.69%	6.99%	6.54%	6.28%	6.77%	5.86%	5.08%	3.98%	4.08%	4.37%
Red Flag Computation 43	893	64	93	109	172	139	156	79	54	19	6	1	1	0	0
	0.24%	0.42%	0.38%	0.39%	0.54%	0.38%	0.38%	0.21%	0.16%	0.06%	0.02%	0.00%	0.01%	0.00%	0.00%
Flagged for Any of the Red Flag Computation 1-43	367,021	15,418	24,242	28,199	32,055	36,204	41,036	37,130	33,093	29,406	27,323	22,951	17,262	12,537	10,165
	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%

Notes

Defendant	Date Range
CVS	January 1, 2006 to November 29, 2019
Giant Eagle/HBC	January 1, 2006 to December 3, 2019
Rite Aid	January 1, 2006 to November 19, 2019
Walgreens	January 3, 2006 to January 3, 2020
Wal-Mart	January 2, 2006 to April 25, 2018

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All Defendants Combination Red Flagged Prescriptions Summary
Lake County, OH
Red Flag Computation 1-43, in Dosage Units

	Total	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Total Dosage Units of Combination Red Flagged Prescriptions	26,537,321	1,032,147	1,728,453	2,090,929	2,425,580	2,800,787	3,258,880	2,895,103	2,433,274	2,017,611	1,758,563	1,499,951	1,147,723	788,644	659,676
Total Dosage Units of Combination Red Flagged Opioid Prescriptions	23,008,501	854,666	1,465,978	1,808,661	2,088,390	2,408,282	2,824,970	2,530,968	2,126,719	1,750,789	1,519,792	1,307,064	1,024,638	704,286	593,298
Red Flag Computation 1	1,844,799	71,055	104,807	122,700	166,937	202,460	251,965	215,275	167,532	148,108	122,196	97,394	85,972	53,237	35,161
	8.02%	8.31%	7.15%	6.78%	7.99%	8.41%	8.92%	8.51%	7.88%	8.46%	8.04%	7.45%	8.39%	7.56%	5.93%
Red Flag Computation 2	7,001,595	242,590	384,085	453,208	526,763	669,054	882,715	769,708	664,570	559,668	533,226	484,818	392,802	250,035	188,353
	30.43%	28.38%	26.20%	25.06%	25.22%	27.78%	31.25%	30.41%	31.25%	31.97%	35.09%	37.09%	38.34%	35.50%	31.75%
Red Flag Computation 3	2,936,201	136,411	231,969	274,158	283,561	327,854	331,657	284,193	259,192	214,275	196,075	168,677	106,161	63,006	59,012
	12.76%	15.96%	15.82%	15.16%	13.58%	13.61%	11.74%	11.23%	12.19%	12.24%	12.90%	12.91%	10.36%	8.95%	9.95%
Red Flag Computation 4	1,983,116	57,016	124,047	159,445	182,559	203,104	214,604	210,779	190,496	161,984	147,051	133,001	96,159	57,290	45,581
	8.62%	6.67%	8.46%	8.82%	8.74%	8.43%	7.60%	8.33%	8.96%	9.25%	9.68%	10.18%	9.38%	8.13%	7.68%
Red Flag Computation 5	3,957,752	194,603	306,070	334,080	431,184	484,126	486,022	410,068	338,396	292,781	243,821	187,607	117,099	74,072	57,823
	14.91%	18.85%	17.71%	15.98%	17.78%	17.29%	14.91%	14.16%	13.91%	14.51%	13.86%	12.51%	10.20%	9.39%	8.77%
Red Flag Computation 6	912,585	45,239	75,050	82,667	105,221	112,945	118,574	107,581	70,257	65,384	48,283	36,436	21,265	13,718	9,965
	3.44%	4.38%	4.34%	3.95%	4.34%	4.03%	3.64%	3.72%	2.89%	3.24%	2.75%	2.43%	1.85%	1.74%	1.51%
Red Flag Computation 7	11,524,181	488,695	775,975	945,032	1,071,854	1,204,462	1,397,088	1,200,672	1,045,969	896,046	807,322	663,943	466,372	318,902	241,849
	43.43%	47.35%	44.89%	45.20%	44.19%	43.00%	42.87%	41.47%	42.99%	44.41%	45.91%	44.26%	40.63%	40.44%	36.66%
Red Flag Computation 8	5,978,716	275,219	407,876	473,535	522,558	625,963	748,140	651,150	545,090	460,291	414,052	342,753	230,380	154,861	126,848
	22.53%	26.66%	23.60%	22.65%	21.54%	22.35%	22.96%	22.49%	22.40%	22.81%	23.54%	22.85%	20.07%	19.64%	19.23%
Red Flag Computation 9	1,324,536	31,746	68,254	130,263	130,184	154,962	192,897	162,655	127,933	90,857	75,424	63,463	46,599	20,588	28,711
	5.76%	3.71%	4.66%	7.20%	6.23%	6.43%	6.83%	6.43%	6.02%	5.19%	4.96%	4.86%	4.55%	2.92%	4.84%
Red Flag Computation 10	1,745,484	55,242	87,300	114,948	148,581	169,554	227,367	179,255	135,759	122,989	118,307	77,977	42,966	21,165	244,074
	7.59%	6.46%	5.96%	6.36%	7.11%	7.04%	8.05%	7.08%	6.38%	7.02%	7.78%	5.97%	4.19%	3.01%	41.14%
Red Flag Computation 11	1,565,084	55,242	87,300	114,948	148,581	169,554	227,367	179,255	135,759	122,989	118,307	77,977	42,966	21,165	63,674
	6.80%	6.46%	5.96%	6.36%	7.11%	7.04%	8.05%	7.08%	6.38%	7.02%	7.78%	5.97%	4.19%	3.01%	10.73%
Red Flag Computation 12	2,851,318	45,588	163,397	188,281	284,714	361,112	437,311	430,033	276,275	194,872	96,085	99,952	99,769	96,941	76,988
	12.39%	5.33%	11.15%	10.41%	13.63%	14.99%	15.48%	16.99%	12.99%	11.13%	6.32%	7.65%	9.74%	13.76%	12.98%
Red Flag Computation 13	2,041,504	46,109	111,871	164,305	222,332	287,245	373,828	381,811	184,742	96,501	31,436	32,870	41,636	34,479	32,339
	8.87%	5.39%	7.63%	9.08%	10.65%	11.93%	13.23%	15.09%	8.69%	5.51%	2.07%	2.51%	4.06%	4.90%	5.45%
Red Flag Computation 14	491,331	32,268	50,402	56,790	67,021	62,127	86,636	63,085	45,661	27,341	0	0	0	0	0
	2.14%	3.78%	3.44%	3.14%	3.21%	2.58%	3.07%	2.49%	2.15%	1.56%	0.00%	0.00%	0.00%	0.00%	0.00%
Red Flag Computation 15	10,556,797	401,018	746,387	933,001	1,081,006	1,196,709	1,304,747	1,127,131	960,710	784,295	638,462	526,234	398,179	257,180	201,738
	45.88%	46.92%	50.91%	51.59%	51.76%	49.69%	46.19%	44.53%	45.17%	44.80%	42.01%	40.26%	38.86%	36.52%	34.00%
Red Flag Computation 16	1,449,249	74,741	108,633	160,489	191,135	188,331	236,613	149,407	114,400	65,565	46,576	28,949	27,109	28,629	28,672
	6.30%	8.75%	7.41%	8.87%	9.15%	7.82%	8.38%	5.90%	5.38%	3.74%	3.06%	2.21%	2.65%	4.06%	4.83%
Red Flag Computation 17	4,947,657	183,297	290,744	323,219	376,949	473,989	637,153	558,286	466,534	390,947	362,112	324,650	267,015	170,494	122,268
	18.64%	17.76%	16.82%	15.46%	15.54%	16.92%	19.55%	19.28%	19.17%	19.38%	20.59%	21.64%	23.26%	21.62%	18.53%
Red Flag Computation 18	1,083,225	47,893	72,604	84,072	83,193	109,770	114,629	103,815	101,400	94,114	93,083	73,723	50,602	31,256	23,071
	4.71%	5.60%	4.95%	4.65%	3.98%	4.56%	4.06%	4.10%	4.77%	5.38%	6.12%	5.64%	4.94%	4.44%	3.89%

CONFIDENTIAL – SUBJECT TO PROTECTIVE ORDER

All Defendants Combination Red Flagged Prescriptions Summary
Lake County, OH
Red Flag Computation 1-43, in Dosage Units

	Total	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Total Dosage Units of Combination Red Flagged Prescriptions	26,537,321	1,032,147	1,728,453	2,090,929	2,425,580	2,800,787	3,258,880	2,895,103	2,433,274	2,017,611	1,758,563	1,499,951	1,147,723	788,644	659,676
Total Dosage Units of Combination Red Flagged Opioid Prescriptions	23,008,501	854,666	1,465,978	1,808,661	2,088,390	2,408,282	2,824,970	2,530,968	2,126,719	1,750,789	1,519,792	1,307,064	1,024,638	704,286	593,298
Red Flag Computation 19	497,777	20,800	34,565	36,835	41,287	50,413	56,036	44,405	47,478	46,209	42,488	34,150	20,221	12,536	10,354
	2.16%	2.43%	2.36%	2.04%	1.98%	2.09%	1.98%	1.75%	2.23%	2.64%	2.80%	2.61%	1.97%	1.78%	1.75%
Red Flag Computation 20	1,464,109	69,233	112,352	131,117	140,949	156,644	162,719	140,198	129,916	117,155	107,060	89,761	49,085	29,918	28,002
	6.36%	8.10%	7.66%	7.25%	6.75%	6.50%	5.76%	5.54%	6.11%	6.69%	7.04%	6.87%	4.79%	4.25%	4.72%
Red Flag Computation 21	1,079,500	48,047	84,333	88,014	98,334	120,230	127,069	106,516	104,035	83,384	77,222	64,211	35,456	21,951	20,698
	4.69%	5.62%	5.75%	4.87%	4.71%	4.99%	4.50%	4.21%	4.89%	4.76%	5.08%	4.91%	3.46%	3.12%	3.49%
Red Flag Computation 22	43,252	1,646	2,103	4,221	4,790	4,662	3,031	2,540	4,946	4,307	4,548	3,064	1,586	1,012	796
	0.19%	0.19%	0.14%	0.23%	0.23%	0.19%	0.11%	0.10%	0.23%	0.25%	0.30%	0.23%	0.15%	0.14%	0.13%
Red Flag Computation 23	77,473	2,269	3,440	6,839	11,911	7,318	5,605	4,293	7,789	7,101	7,735	7,218	3,520	1,421	1,014
	0.34%	0.27%	0.23%	0.38%	0.57%	0.30%	0.20%	0.17%	0.37%	0.41%	0.51%	0.55%	0.34%	0.20%	0.17%
Red Flag Computation 24	2,748,489	74,368	174,866	225,500	252,427	280,832	295,408	280,205	266,826	224,798	211,002	180,447	130,813	85,078	65,919
	11.95%	8.70%	11.93%	12.47%	12.09%	11.66%	10.46%	11.07%	12.55%	12.84%	13.88%	13.81%	12.77%	12.08%	11.11%
Red Flag Computation 25	2,135,793	30,425	115,510	137,790	216,337	279,026	349,941	348,365	208,288	138,775	62,379	65,234	63,075	65,908	54,740
	9.28%	3.56%	7.88%	7.62%	10.36%	11.59%	12.39%	13.76%	9.79%	7.93%	4.10%	4.99%	6.16%	9.36%	9.23%
Red Flag Computation 26	1,906,802	41,244	104,353	155,599	209,002	266,106	348,191	359,207	174,153	89,022	28,355	29,843	38,011	32,085	31,631
	8.29%	4.83%	7.12%	8.60%	10.01%	11.05%	12.33%	14.19%	8.19%	5.08%	1.87%	2.28%	3.71%	4.56%	5.33%
Red Flag Computation 27	505	0	40	0	0	15	450	0	0	0	0	0	0	0	0
	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.02%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Red Flag Computation 28	69,775	2,754	1,223	1,998	8,013	9,558	12,766	11,421	6,270	7,704	3,990	892	1,338	1,584	264
	0.30%	0.32%	0.08%	0.11%	0.38%	0.40%	0.45%	0.45%	0.29%	0.44%	0.26%	0.07%	0.13%	0.22%	0.04%
Red Flag Computation 29	369,633	24,088	37,920	40,452	49,509	47,018	66,137	46,487	36,075	21,947	0	0	0	0	0
	1.61%	2.82%	2.59%	2.24%	2.37%	1.95%	2.34%	1.84%	1.70%	1.25%	0.00%	0.00%	0.00%	0.00%	0.00%
Red Flag Computation 30	1,862,813	103,181	166,872	193,306	206,929	222,308	272,504	213,243	164,135	113,477	77,554	44,275	33,991	24,404	26,634
	8.10%	12.07%	11.38%	10.69%	9.91%	9.23%	9.65%	8.43%	7.72%	6.48%	5.10%	3.39%	3.32%	3.47%	4.49%
Red Flag Computation 31	2,291,198	50,554	141,032	166,848	205,591	242,680	324,213	274,222	238,368	194,746	122,294	106,878	93,274	67,032	63,466
	9.96%	5.92%	9.62%	9.22%	9.84%	10.08%	11.48%	10.83%	11.21%	11.12%	8.05%	8.18%	9.10%	9.52%	10.70%
Red Flag Computation 32	223,245	17,158	19,131	25,303	36,103	28,599	25,618	24,159	17,097	13,183	9,949	2,318	2,300	472	1,855
	0.97%	2.01%	1.30%	1.40%	1.73%	1.19%	0.91%	0.95%	0.80%	0.75%	0.65%	0.18%	0.22%	0.07%	0.31%
Red Flag Computation 33	431,356	20,209	30,213	51,248	53,883	54,213	48,112	35,439	29,335	24,361	26,588	24,428	14,845	8,711	9,771
	1.87%	2.36%	2.06%	2.83%	2.58%	2.25%	1.70%	1.40%	1.38%	1.39%	1.75%	1.87%	1.45%	1.24%	1.65%
Red Flag Computation 34	459,965	2,020	5,122	7,112	8,942	14,889	26,057	38,335	42,808	40,650	64,494	60,403	57,263	46,475	45,395
	2.00%	0.24%	0.35%	0.39%	0.43%	0.62%	0.92%	1.51%	2.01%	2.32%	4.24%	4.62%	5.59%	6.60%	7.65%
Red Flag Computation 35	2,505,665	116,131	196,539	215,468	263,730	263,844	229,176	209,169	204,923	183,787	186,798	150,980	125,314	92,298	67,508
	10.89%	13.59%	13.41%	11.91%	12.63%	10.96%	8.11%	8.26%	9.64%	10.50%	12.29%	11.55%	12.23%	13.11%	11.38%
Red Flag Computation 36	3,365,922	89,069	136,025	159,139	221,450	346,536	514,979	437,882	345,886	271,432	256,804	230,997	177,700	98,915	79,108
	14.63%	10.42%	9.28%	8.80%	10.60%	14.39%	18.23%	17.30%	16.26%	15.50%	16.90%	17.67%	17.34%	14.04%	13.33%

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All Defendants Combination Red Flagged Prescriptions Summary
Lake County, OH

Red Flag Computation 1-43, in Dosage Units

	Total	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Total Dosage Units of Combination Red Flagged Prescriptions	26,537,321	1,032,147	1,728,453	2,090,929	2,425,580	2,800,787	3,258,880	2,895,103	2,433,274	2,017,611	1,758,563	1,499,951	1,147,723	788,644	659,676
Total Dosage Units of Combination Red Flagged Opioid Prescriptions	23,008,501	854,666	1,465,978	1,808,661	2,088,390	2,408,282	2,824,970	2,530,968	2,126,719	1,750,789	1,519,792	1,307,064	1,024,638	704,286	593,298
Red Flag Computation 37	180,219	5,957	9,619	20,615	28,171	33,022	38,147	23,967	7,975	4,537	3,910	2,769	405	975	150
	0.78%	0.70%	0.66%	1.14%	1.35%	1.37%	1.35%	0.95%	0.37%	0.26%	0.26%	0.21%	0.04%	0.14%	0.03%
Red Flag Computation 38	9,105,378	447,268	662,910	752,377	867,999	1,013,739	1,150,742	1,002,334	811,248	675,216	565,166	468,356	313,318	200,555	174,150
	34.31%	43.33%	38.35%	35.98%	35.79%	36.19%	35.31%	34.62%	33.34%	33.47%	32.14%	31.22%	27.30%	25.43%	26.40%
Red Flag Computation 39	872,358	43,127	71,539	80,648	102,863	107,454	111,722	103,197	66,475	63,234	46,183	34,601	19,760	12,030	9,525
	3.29%	4.18%	4.14%	3.86%	4.24%	3.84%	3.43%	3.56%	2.73%	3.13%	2.63%	2.31%	1.72%	1.53%	1.44%
Red Flag Computation 40	639,800	34,902	44,764	101,449	86,813	76,892	71,662	54,259	43,893	39,075	31,932	19,937	14,757	9,060	10,405
	2.78%	4.08%	3.05%	5.61%	4.16%	3.19%	2.54%	2.14%	2.06%	2.23%	2.10%	1.53%	1.44%	1.29%	1.75%
Red Flag Computation 41	3,877,597	188,172	298,320	351,174	396,560	446,298	489,368	467,401	331,796	261,809	223,144	171,082	113,972	69,225	69,276
	14.61%	18.23%	17.26%	16.80%	16.35%	15.93%	15.02%	16.14%	13.64%	12.98%	12.69%	11.41%	9.93%	8.78%	10.50%
Red Flag Computation 42	1,658,092	89,694	145,672	147,859	188,006	206,113	193,198	166,041	134,687	126,929	99,207	66,609	40,719	27,996	25,362
	6.25%	8.69%	8.43%	7.07%	7.75%	7.36%	5.93%	5.74%	5.54%	6.29%	5.64%	4.44%	3.55%	3.55%	3.84%
Red Flag Computation 43	60,133	3,595	5,272	7,325	11,964	9,350	12,197	5,017	3,014	1,431	894	60	14	0	0
	0.23%	0.35%	0.31%	0.35%	0.49%	0.33%	0.37%	0.17%	0.12%	0.07%	0.05%	0.00%	0.00%	0.00%	0.00%
Flagged for Any of the Red Flag Computation 1-43	26,537,321	1,032,147	1,728,453	2,090,929	2,425,580	2,800,787	3,258,880	2,895,103	2,433,274	2,017,611	1,758,563	1,499,951	1,147,723	788,644	659,676
	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%

Notes

Defendant	Date Range
CVS	January 1, 2006 to November 29, 2019
Giant Eagle/HBC	January 1, 2006 to December 3, 2019
Rite Aid	January 1, 2006 to November 19, 2019
Walgreens	January 3, 2006 to January 3, 2020
Wal-Mart	January 2, 2006 to April 25, 2018

CONFIDENTIAL – SUBJECT TO PROTECTIVE ORDER

All Defendants Combination Red Flagged Prescriptions Summary
Lake County, OH
Red Flag Computation 1-43, in MME

	Total	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Total MME of Combination Red Flagged Prescriptions	397,768,462	16,265,605	25,783,736	32,921,070	38,532,104	43,131,064	50,819,905	42,319,650	35,849,259	28,797,770	26,043,695	21,499,386	16,685,158	10,476,462	8,643,596
Total MME of Combination Red Flagged Opioid Prescriptions	397,768,462	16,265,605	25,783,736	32,921,070	38,532,104	43,131,064	50,819,905	42,319,650	35,849,259	28,797,770	26,043,695	21,499,386	16,685,158	10,476,462	8,643,596
Red Flag Computation 1	42,611,598	1,412,365	1,926,108	2,857,385	4,625,642	5,577,399	6,659,950	5,121,523	3,780,681	3,157,407	2,802,143	2,047,235	1,467,970	774,618	401,173
	10.71%	8.68%	7.47%	8.68%	12.00%	12.93%	13.11%	12.10%	10.55%	10.96%	10.76%	9.52%	8.80%	7.39%	4.64%
Red Flag Computation 2	138,641,763	5,387,064	7,789,922	9,844,702	11,916,803	15,223,475	19,324,265	14,489,396	12,592,563	10,051,884	9,691,398	8,694,404	6,834,860	3,948,729	2,852,299
	34.85%	33.12%	30.21%	29.90%	30.93%	35.30%	38.02%	34.24%	35.13%	34.91%	37.21%	40.44%	40.96%	37.69%	33.00%
Red Flag Computation 3	50,105,250	2,582,130	4,214,970	4,882,359	4,906,399	5,925,256	5,890,188	4,545,467	4,128,478	3,147,531	3,113,951	2,939,874	1,727,837	982,265	1,118,546
	12.60%	15.87%	16.35%	14.83%	12.73%	13.74%	11.59%	10.74%	11.52%	10.93%	11.96%	13.67%	10.36%	9.38%	12.94%
Red Flag Computation 4	40,158,260	1,422,046	2,976,545	3,600,289	4,205,534	4,338,978	4,536,148	4,019,244	3,730,500	3,193,556	2,633,448	2,199,835	1,599,315	923,209	779,615
	10.10%	8.74%	11.54%	10.94%	10.91%	10.06%	8.93%	9.50%	10.41%	11.09%	10.11%	10.23%	9.59%	8.81%	9.02%
Red Flag Computation 5	43,610,527	2,301,988	3,075,024	3,531,079	5,278,530	5,793,523	5,681,878	4,912,073	3,737,197	2,891,657	2,537,950	1,752,975	1,047,755	623,521	445,379
	10.96%	14.15%	11.93%	10.73%	13.70%	13.43%	11.18%	11.61%	10.42%	10.04%	9.74%	8.15%	6.28%	5.95%	5.15%
Red Flag Computation 6	7,230,914	453,800	597,909	549,834	766,472	1,076,238	1,144,112	895,970	580,019	457,748	295,881	195,210	112,270	59,798	45,655
	1.82%	2.79%	2.32%	1.67%	1.99%	2.50%	2.25%	2.12%	1.62%	1.59%	1.14%	0.91%	0.67%	0.57%	0.53%
Red Flag Computation 7	149,991,469	6,344,833	10,216,790	13,538,791	15,212,399	15,982,486	18,099,413	15,508,766	13,257,201	11,242,801	10,539,904	7,990,381	5,518,262	3,685,977	2,853,465
	37.71%	39.01%	39.62%	41.13%	39.48%	37.06%	35.61%	36.65%	36.98%	39.04%	40.47%	37.17%	33.07%	35.18%	33.01%
Red Flag Computation 8	57,276,677	2,778,360	4,039,124	4,763,502	5,195,540	6,282,261	7,461,133	6,398,703	5,014,898	4,104,234	4,024,644	2,906,460	1,940,165	1,252,617	1,115,038
	14.40%	17.08%	15.67%	14.47%	13.48%	14.57%	14.68%	15.12%	13.99%	14.25%	15.45%	13.52%	11.63%	11.96%	12.90%
Red Flag Computation 9	27,291,431	601,847	1,301,693	3,220,122	2,719,686	3,119,479	3,894,285	3,421,528	2,572,475	1,831,177	1,469,171	1,286,415	972,130	376,123	505,299
	6.86%	3.70%	5.05%	9.78%	7.06%	7.23%	7.66%	8.08%	7.18%	6.36%	5.64%	5.98%	5.83%	3.59%	5.85%
Red Flag Computation 10	101,341,110	5,102,933	7,069,400	9,250,262	10,901,349	11,873,680	14,392,428	10,701,247	8,094,654	5,723,391	5,480,072	3,716,623	2,213,933	1,144,505	5,676,635
	25.48%	31.37%	27.42%	28.10%	28.29%	27.53%	28.32%	25.29%	22.58%	19.87%	21.04%	17.29%	13.27%	10.92%	65.67%
Red Flag Computation 11	98,357,057	5,102,933	7,069,400	9,250,262	10,901,349	11,873,680	14,392,428	10,701,247	8,094,654	5,723,391	5,480,072	3,716,623	2,213,933	1,144,505	2,692,582
	24.73%	31.37%	27.42%	28.10%	28.29%	27.53%	28.32%	25.29%	22.58%	19.87%	21.04%	17.29%	13.27%	10.92%	31.15%
Red Flag Computation 12	24,936,930	419,798	1,401,778	1,489,771	2,407,313	3,200,765	4,044,715	3,570,224	2,251,300	1,588,695	884,683	935,453	999,210	969,243	773,985
	6.27%	2.58%	5.44%	4.53%	6.25%	7.42%	7.96%	8.44%	6.28%	5.52%	3.40%	4.35%	5.99%	9.25%	8.95%
Red Flag Computation 13	16,818,437	404,910	951,166	1,244,582	1,763,055	2,249,253	3,102,160	3,051,552	1,482,753	767,283	302,793	321,230	447,278	372,995	357,430
	4.23%	2.49%	3.69%	3.78%	4.58%	5.21%	6.10%	7.21%	4.14%	2.66%	1.16%	1.49%	2.68%	3.56%	4.14%
Red Flag Computation 14	3,440,196	220,272	374,000	396,393	475,280	463,083	589,220	420,485	310,528	190,937	0	0	0	0	0
	0.86%	1.35%	1.45%	1.20%	1.23%	1.07%	1.16%	0.99%	0.87%	0.66%	0.00%	0.00%	0.00%	0.00%	0.00%
Red Flag Computation 15	248,085,612	10,622,306	17,328,069	23,055,024	26,661,063	28,642,582	31,240,153	25,510,479	21,710,797	17,555,378	15,231,662	12,060,467	9,173,168	5,290,402	4,004,061
	62.37%	65.31%	67.21%	70.03%	69.19%	66.41%	61.47%	60.28%	60.56%	60.96%	58.49%	56.10%	54.98%	50.50%	46.32%
Red Flag Computation 16	20,666,576	926,361	1,408,078	1,886,188	2,433,356	2,731,895	4,105,977	2,205,069	1,656,129	1,098,477	710,169	453,663	373,014	342,919	335,281
	5.20%	5.70%	5.46%	5.73%	6.32%	6.33%	8.08%	5.21%	4.62%	3.81%	2.73%	2.11%	2.24%	3.27%	3.88%
Red Flag Computation 17	97,622,437	4,034,787	5,900,003	6,588,484	8,192,344	11,068,330	13,918,688	10,384,926	8,717,350	7,141,710	6,789,280	5,801,567	4,718,132	2,643,783	1,723,053
	24.54%	24.81%	22.88%	20.01%	21.26%	25.66%	27.39%	24.54%	24.32%	24.80%	26.07%	26.98%	28.28%	25.24%	19.93%
Red Flag Computation 18	15,398,545	868,743	1,193,358	1,330,877	1,220,745	1,616,230	1,678,834	1,333,610	1,335,029	1,210,338	1,149,277	981,612	720,298	407,296	352,298
	3.87%	5.34%	4.63%	4.04%	3.17%	3.75%	3.30%	3.15%	3.72%	4.20%	4.41%	4.57%	4.32%	3.89%	4.08%

CONFIDENTIAL – SUBJECT TO PROTECTIVE ORDER

All Defendants Combination Red Flagged Prescriptions Summary
Lake County, OH
Red Flag Computation 1-43, in MME

	Total	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Total MME of Combination Red Flagged Prescriptions	397,768,462	16,265,605	25,783,736	32,921,070	38,532,104	43,131,064	50,819,905	42,319,650	35,849,259	28,797,770	26,043,695	21,499,386	16,685,158	10,476,462	8,643,596
Total MME of Combination Red Flagged Opioid Prescriptions	397,768,462	16,265,605	25,783,736	32,921,070	38,532,104	43,131,064	50,819,905	42,319,650	35,849,259	28,797,770	26,043,695	21,499,386	16,685,158	10,476,462	8,643,596
Red Flag Computation 19	7,230,620	285,143	548,565	562,542	632,734	763,299	856,049	548,767	649,566	659,341	551,468	497,724	250,297	179,815	245,313
	1.82%	1.75%	2.13%	1.71%	1.64%	1.77%	1.68%	1.30%	1.81%	2.29%	2.12%	2.32%	1.50%	1.72%	2.84%
Red Flag Computation 20	21,243,424	1,052,146	1,709,483	1,963,411	2,079,514	2,299,906	2,409,707	1,907,019	1,893,309	1,568,525	1,425,971	1,349,089	658,373	416,665	510,307
	5.34%	6.47%	6.63%	5.96%	5.40%	5.33%	4.74%	4.51%	5.28%	5.45%	5.48%	6.28%	3.95%	3.98%	5.90%
Red Flag Computation 21	15,476,829	721,023	1,361,367	1,248,588	1,450,533	1,676,697	1,904,430	1,374,335	1,562,798	1,116,156	1,044,114	963,733	455,873	315,131	282,053
	3.89%	4.43%	5.28%	3.79%	3.76%	3.89%	3.75%	3.25%	4.36%	3.88%	4.01%	4.48%	2.73%	3.01%	3.26%
Red Flag Computation 22	865,960	30,188	30,929	104,271	112,240	85,393	45,078	51,228	121,333	69,763	118,402	59,750	14,593	7,975	14,822
	0.22%	0.19%	0.12%	0.32%	0.29%	0.20%	0.09%	0.12%	0.34%	0.24%	0.45%	0.28%	0.09%	0.08%	0.17%
Red Flag Computation 23	1,818,756	43,310	48,250	187,916	319,749	142,973	132,925	89,823	226,708	150,861	219,432	181,840	50,045	14,515	10,412
	0.46%	0.27%	0.19%	0.57%	0.83%	0.33%	0.26%	0.21%	0.63%	0.52%	0.84%	0.85%	0.30%	0.14%	0.12%
Red Flag Computation 24	51,712,620	1,604,805	3,655,597	4,568,488	5,282,485	5,511,881	5,826,699	5,093,025	5,033,756	4,136,166	3,574,968	2,897,843	2,136,765	1,279,387	1,110,755
	13.00%	9.87%	14.18%	13.88%	13.71%	12.78%	11.47%	12.03%	14.04%	14.36%	13.73%	13.48%	12.81%	12.21%	12.85%
Red Flag Computation 25	18,141,684	287,928	969,535	1,080,820	1,773,813	2,388,360	3,011,010	2,812,039	1,663,023	1,113,455	558,708	620,625	618,875	683,508	559,988
	4.56%	1.77%	3.76%	3.28%	4.60%	5.54%	5.92%	6.64%	4.64%	3.87%	2.15%	2.89%	3.71%	6.52%	6.48%
Red Flag Computation 26	15,713,882	370,723	891,458	1,178,558	1,654,028	2,094,355	2,858,008	2,877,517	1,396,003	711,965	281,625	289,688	405,588	351,888	352,483
	3.95%	2.28%	3.46%	3.58%	4.29%	4.86%	5.62%	6.80%	3.89%	2.47%	1.08%	1.35%	2.43%	3.36%	4.08%
Red Flag Computation 27	10,438	0	200	0	0	113	10,125	0	0	0	0	0	0	0	0
	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.02%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Red Flag Computation 28	1,851,308	119,880	12,560	109,035	319,560	307,510	417,405	233,248	106,825	96,480	52,500	15,615	26,730	32,040	1,920
	0.47%	0.74%	0.05%	0.33%	0.83%	0.71%	0.82%	0.55%	0.30%	0.34%	0.20%	0.07%	0.16%	0.31%	0.02%
Red Flag Computation 29	2,547,295	165,564	277,003	274,093	340,508	334,645	448,370	311,004	244,918	151,192	0	0	0	0	0
	0.64%	1.02%	1.07%	0.83%	0.88%	0.78%	0.88%	0.73%	0.68%	0.53%	0.00%	0.00%	0.00%	0.00%	0.00%
Red Flag Computation 30	32,990,848	2,163,056	3,358,658	3,720,326	3,654,009	3,795,074	5,013,775	3,536,817	2,398,896	1,745,776	1,521,456	784,892	524,143	360,614	413,356
	8.29%	13.30%	13.03%	11.30%	9.48%	8.80%	9.87%	8.36%	6.69%	6.06%	5.84%	3.65%	3.14%	3.44%	4.78%
Red Flag Computation 31	43,587,704	1,059,768	2,772,900	3,249,837	3,746,033	4,559,213	6,562,160	5,318,036	4,272,966	3,384,774	2,456,611	2,259,935	1,786,466	1,175,503	983,505
	10.96%	6.52%	10.75%	9.87%	9.72%	10.57%	12.91%	12.57%	11.92%	11.75%	9.43%	10.51%	10.71%	11.22%	11.38%
Red Flag Computation 32	3,374,879	166,333	217,885	317,234	395,505	459,181	444,455	462,192	319,483	282,655	195,860	51,233	29,590	5,185	28,090
	0.85%	1.02%	0.85%	0.96%	1.03%	1.06%	0.87%	1.09%	0.89%	0.98%	0.75%	0.24%	0.18%	0.05%	0.32%
Red Flag Computation 33	14,723,141	703,411	884,881	2,156,440	1,880,468	1,855,418	1,867,183	1,100,211	1,039,648	734,516	844,593	803,968	367,881	226,687	257,837
	3.70%	4.32%	3.43%	6.55%	4.88%	4.30%	3.67%	2.60%	2.90%	2.55%	3.24%	3.74%	2.20%	2.16%	2.98%
Red Flag Computation 34	9,839,338	25,158	51,248	83,640	212,985	371,344	934,518	1,351,911	1,169,156	1,002,879	1,192,120	1,058,412	943,031	744,087	698,850
	2.47%	0.15%	0.20%	0.25%	0.55%	0.86%	1.84%	3.19%	3.26%	3.48%	4.58%	4.92%	5.65%	7.10%	8.09%
Red Flag Computation 35	51,229,698	3,001,334	4,055,049	4,470,745	5,967,036	5,710,065	5,316,702	4,346,817	4,059,707	3,561,820	3,573,992	2,635,991	2,114,720	1,395,648	1,020,073
	12.88%	18.45%	15.73%	13.58%	15.49%	13.24%	10.46%	10.27%	11.32%	12.37%	13.72%	12.26%	12.67%	13.32%	11.80%
Red Flag Computation 36	70,548,698	2,149,798	2,725,315	3,630,739	5,802,143	8,639,264	11,673,398	8,319,769	7,133,939	5,294,867	4,963,380	4,380,769	3,274,297	1,469,799	1,091,221
	17.74%	13.22%	10.57%	11.03%	15.06%	20.03%	22.97%	19.66%	19.90%	18.39%	19.06%	20.38%	19.62%	14.03%	12.62%

CONFIDENTIAL – SUBJECT TO PROTECTIVE ORDER

All Defendants Combination Red Flagged Prescriptions Summary
Lake County, OH
Red Flag Computation 1-43, in MME

	Total	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Total MME of Combination Red Flagged Prescriptions	397,768,462	16,265,605	25,783,736	32,921,070	38,532,104	43,131,064	50,819,905	42,319,650	35,849,259	28,797,770	26,043,695	21,499,386	16,685,158	10,476,462	8,643,596
Total MME of Combination Red Flagged Opioid Prescriptions	397,768,462	16,265,605	25,783,736	32,921,070	38,532,104	43,131,064	50,819,905	42,319,650	35,849,259	28,797,770	26,043,695	21,499,386	16,685,158	10,476,462	8,643,596
Red Flag Computation 37	3,023,109	47,678	83,573	225,920	442,540	703,730	864,316	496,700	55,623	27,185	33,125	35,070	2,025	4,875	750
	0.76%	0.29%	0.32%	0.69%	1.15%	1.63%	1.70%	1.17%	0.16%	0.09%	0.13%	0.16%	0.01%	0.05%	0.01%
Red Flag Computation 38	92,290,765	4,743,687	6,621,658	7,800,669	9,198,387	10,895,862	12,425,618	10,693,097	8,052,315	6,194,393	5,481,293	4,169,737	2,817,120	1,636,134	1,560,795
	23.20%	29.16%	25.68%	23.70%	23.87%	25.26%	24.45%	25.27%	22.46%	21.51%	21.05%	19.39%	16.88%	15.62%	18.06%
Red Flag Computation 39	6,759,851	424,580	539,424	536,589	748,982	997,938	1,060,504	829,558	535,191	440,523	272,691	182,085	98,845	49,688	43,255
	1.70%	2.61%	2.09%	1.63%	1.94%	2.31%	2.09%	1.96%	1.49%	1.53%	1.05%	0.85%	0.59%	0.47%	0.50%
Red Flag Computation 40	24,520,349	1,277,520	1,467,485	4,211,932	3,612,296	3,373,601	2,834,397	2,050,259	1,713,309	1,298,365	991,395	578,175	494,166	322,833	294,618
	6.16%	7.85%	5.69%	12.79%	9.37%	7.82%	5.58%	4.84%	4.78%	4.51%	3.81%	2.69%	2.96%	3.08%	3.41%
Red Flag Computation 41	44,411,280	2,014,080	2,939,298	4,297,458	4,735,060	5,273,701	5,925,689	5,663,056	3,754,787	2,744,581	2,510,870	1,818,192	1,293,694	690,463	750,351
	11.17%	12.38%	11.40%	13.05%	12.29%	12.23%	11.66%	13.38%	10.47%	9.53%	9.64%	8.46%	7.75%	6.59%	8.68%
Red Flag Computation 42	21,672,366	1,138,364	1,749,247	2,107,589	2,749,791	2,767,478	2,754,040	2,277,175	1,544,309	1,537,266	1,282,460	839,213	455,281	269,919	200,235
	5.45%	7.00%	6.78%	6.40%	7.14%	6.42%	5.42%	5.38%	4.31%	5.34%	4.92%	3.90%	2.73%	2.58%	2.32%
Red Flag Computation 43	704,435	47,588	52,776	93,360	121,898	112,596	161,900	55,203	28,770	18,885	10,905	450	105	0	0
	0.18%	0.29%	0.20%	0.28%	0.32%	0.26%	0.32%	0.13%	0.08%	0.07%	0.04%	0.00%	0.00%	0.00%	0.00%
Flagged for Any of the Red Flag Computation 1-43	397,768,462	16,265,605	25,783,736	32,921,070	38,532,104	43,131,064	50,819,905	42,319,650	35,849,259	28,797,770	26,043,695	21,499,386	16,685,158	10,476,462	8,643,596
	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%

Notes

Defendant	Date Range
CVS	January 1, 2006 to November 29, 2019
Giant Eagle/HBC	January 1, 2006 to December 3, 2019
Rite Aid	January 1, 2006 to November 19, 2019
Walgreens	January 3, 2006 to January 3, 2020
Wal-Mart	January 2, 2006 to April 25, 2018

CONFIDENTIAL – SUBJECT TO PROTECTIVE ORDER

All Defendants Combination Red Flagged Prescriptions Summary
Trumbull County, OH

Red Flag Computation 1-43, in # of Prescriptions

	Total	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Total # of Combination Red Flagged Prescriptions	517,145	28,108	34,346	40,005	42,439	45,903	49,025	46,425	41,342	39,447	39,727	36,984	29,712	24,263	19,419
Total # of Combination Red Flagged Opioid Prescriptions	386,305	20,993	25,513	30,181	31,712	34,348	36,872	34,791	30,641	29,687	29,923	27,551	21,719	17,840	14,534
Red Flag Computation 1	12,345	734	960	1,027	1,098	1,200	1,319	1,099	1,007	953	859	698	483	488	420
	3.20%	3.50%	3.76%	3.40%	3.46%	3.49%	3.58%	3.16%	3.29%	3.21%	2.87%	2.53%	2.22%	2.74%	2.89%
Red Flag Computation 2	89,989	4,936	6,118	7,217	6,851	7,851	8,227	7,931	7,302	7,315	6,714	6,090	5,249	4,717	3,471
	23.29%	23.51%	23.98%	23.91%	21.60%	22.86%	22.31%	22.80%	23.83%	24.64%	22.44%	22.10%	24.17%	26.44%	23.88%
Red Flag Computation 3	62,210	3,320	4,253	5,610	6,037	6,016	6,613	6,208	5,064	4,825	4,319	3,951	2,440	2,054	1,500
	16.10%	15.81%	16.67%	18.59%	19.04%	17.51%	17.94%	17.84%	16.53%	16.25%	14.43%	14.34%	11.23%	11.51%	10.32%
Red Flag Computation 4	28,836	1,204	1,471	1,971	2,399	2,374	2,710	2,951	2,918	2,868	3,235	1,931	1,144	1,013	647
	7.46%	5.74%	5.77%	6.53%	7.56%	6.91%	7.35%	8.48%	9.52%	9.66%	10.81%	7.01%	5.27%	5.68%	4.45%
Red Flag Computation 5	68,333	3,452	5,030	5,568	6,299	6,617	7,528	6,918	5,833	4,803	4,399	4,228	3,263	2,461	1,934
	13.21%	12.28%	14.65%	13.92%	14.84%	14.42%	15.36%	14.90%	14.11%	12.18%	11.07%	11.43%	10.98%	10.14%	9.96%
Red Flag Computation 6	21,786	1,105	1,943	2,138	2,278	2,084	2,282	2,223	1,772	1,364	1,387	1,197	854	603	556
	4.21%	3.93%	5.66%	5.34%	5.37%	4.54%	4.65%	4.79%	4.29%	3.46%	3.49%	3.24%	2.87%	2.49%	2.86%
Red Flag Computation 7	297,453	16,532	19,974	22,626	24,612	26,490	27,754	26,284	24,098	22,443	22,514	21,498	17,651	14,259	10,718
	57.52%	58.82%	58.16%	56.56%	57.99%	57.71%	56.61%	56.62%	58.29%	56.89%	56.67%	58.13%	59.41%	58.77%	55.19%
Red Flag Computation 8	219,373	11,807	14,498	16,172	17,684	19,008	19,706	19,056	17,921	16,662	16,918	16,234	13,909	11,322	8,476
	42.42%	42.01%	42.21%	40.42%	41.67%	41.41%	40.20%	41.05%	43.35%	42.24%	42.59%	43.89%	46.81%	46.66%	43.65%
Red Flag Computation 9	19,939	604	936	1,165	1,195	1,368	2,054	1,560	1,461	1,897	2,610	2,357	1,249	831	652
	5.16%	2.88%	3.67%	3.86%	3.77%	3.98%	5.57%	4.48%	4.77%	6.39%	8.72%	8.56%	5.75%	4.66%	4.49%
Red Flag Computation 10	35,931	1,641	1,916	2,569	3,108	3,474	4,081	3,412	2,349	1,907	2,133	1,746	1,016	498	6,081
	9.30%	7.82%	7.51%	8.51%	9.80%	10.11%	11.07%	9.81%	7.67%	6.42%	7.13%	6.34%	4.68%	2.79%	41.84%
Red Flag Computation 11	31,118	1,641	1,916	2,569	3,108	3,474	4,081	3,412	2,349	1,907	2,133	1,746	1,016	498	1,268
	8.06%	7.82%	7.51%	8.51%	9.80%	10.11%	11.07%	9.81%	7.67%	6.42%	7.13%	6.34%	4.68%	2.79%	8.72%
Red Flag Computation 12	48,442	1,067	1,259	1,674	2,464	3,240	4,257	4,062	3,521	4,169	5,968	5,632	4,712	3,608	2,809
	12.54%	5.08%	4.93%	5.55%	7.77%	9.43%	11.55%	11.68%	11.49%	14.04%	19.94%	20.44%	21.70%	20.22%	19.33%
Red Flag Computation 13	30,774	1,694	2,016	2,435	2,694	3,118	3,562	3,497	1,562	1,674	2,413	2,324	1,568	1,245	972
	7.97%	8.07%	7.90%	8.07%	8.50%	9.08%	9.66%	10.05%	5.10%	5.64%	8.06%	8.44%	7.22%	6.98%	6.69%
Red Flag Computation 14	7,608	507	784	1,000	1,213	1,193	1,215	838	544	314	0	0	0	0	0
	1.97%	2.42%	3.07%	3.31%	3.83%	3.47%	3.30%	2.41%	1.78%	1.06%	0.00%	0.00%	0.00%	0.00%	0.00%
Red Flag Computation 15	147,701	7,650	10,271	13,292	13,756	14,475	15,968	13,784	11,557	10,751	10,862	9,654	6,675	5,315	3,691
	38.23%	36.44%	40.26%	44.04%	43.38%	42.14%	43.31%	39.62%	37.72%	36.21%	36.30%	35.04%	30.73%	29.79%	25.40%
Red Flag Computation 16	15,490	795	1,260	1,996	1,655	1,640	2,018	1,796	1,359	907	516	330	386	491	341
	4.01%	3.79%	4.94%	6.61%	5.22%	4.77%	5.47%	5.16%	4.44%	3.06%	1.72%	1.20%	1.78%	2.75%	2.35%
Red Flag Computation 17	62,436	3,323	4,296	5,131	5,180	5,610	5,765	5,460	4,637	4,542	4,395	4,225	3,758	3,506	2,608
	12.07%	11.82%	12.51%	12.83%	12.21%	12.22%	11.76%	11.76%	11.22%	11.51%	11.06%	11.42%	12.65%	14.45%	13.43%
Red Flag Computation 18	23,201	1,278	1,590	1,951	1,910	2,107	2,242	2,090	2,076	1,988	1,771	1,468	1,028	917	785
	6.01%	6.09%	6.23%	6.46%	6.02%	6.13%	6.08%	6.01%	6.78%	6.70%	5.92%	5.33%	4.73%	5.14%	5.40%

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All Defendants Combination Red Flagged Prescriptions Summary
Trumbull County, OH
Red Flag Computation 1-43, in # of Prescriptions

	Total	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Total # of Combination Red Flagged Prescriptions	517,145	28,108	34,346	40,005	42,439	45,903	49,025	46,425	41,342	39,447	39,727	36,984	29,712	24,263	19,419
Total # of Combination Red Flagged Opioid Prescriptions	386,305	20,993	25,513	30,181	31,712	34,348	36,872	34,791	30,641	29,687	29,923	27,551	21,719	17,840	14,534
Red Flag Computation 19	10,291	496	653	824	862	999	1,111	973	921	881	774	658	460	364	315
	2.66%	2.36%	2.56%	2.73%	2.72%	2.91%	3.01%	2.80%	3.01%	2.97%	2.59%	2.39%	2.12%	2.04%	2.17%
Red Flag Computation 20	27,646	1,453	1,835	2,471	2,597	2,989	3,031	2,734	2,115	2,058	1,767	1,611	1,125	1,020	840
	7.16%	6.92%	7.19%	8.19%	8.19%	8.70%	8.22%	7.86%	6.90%	6.93%	5.91%	5.85%	5.18%	5.72%	5.78%
Red Flag Computation 21	19,939	995	1,316	1,718	1,695	1,854	2,014	2,192	1,950	1,740	1,318	1,225	771	674	477
	5.16%	4.74%	5.16%	5.69%	5.34%	5.40%	5.46%	6.30%	6.36%	5.86%	4.40%	4.45%	3.55%	3.78%	3.28%
Red Flag Computation 22	540	26	29	60	69	50	47	57	47	45	32	22	19	29	8
	0.14%	0.12%	0.11%	0.20%	0.22%	0.15%	0.13%	0.16%	0.15%	0.15%	0.11%	0.08%	0.09%	0.16%	0.06%
Red Flag Computation 23	791	33	39	71	102	58	81	68	91	78	54	33	28	44	11
	0.20%	0.16%	0.15%	0.24%	0.32%	0.17%	0.22%	0.20%	0.30%	0.26%	0.18%	0.12%	0.13%	0.25%	0.08%
Red Flag Computation 24	38,056	1,718	1,970	2,569	3,107	3,166	3,538	3,775	3,885	3,843	4,141	2,538	1,494	1,353	959
	9.85%	8.18%	7.72%	8.51%	9.80%	9.22%	9.60%	10.85%	12.68%	12.95%	13.84%	9.21%	6.88%	7.58%	6.60%
Red Flag Computation 25	32,240	757	918	1,185	1,623	2,181	2,814	2,743	2,314	2,759	3,948	3,762	3,097	2,341	1,798
	8.35%	3.61%	3.60%	3.93%	5.12%	6.35%	7.63%	7.88%	7.55%	9.29%	13.19%	13.65%	14.26%	13.12%	12.37%
Red Flag Computation 26	28,697	1,632	1,966	2,382	2,563	2,971	3,395	3,356	1,424	1,466	2,118	2,053	1,394	1,120	857
	7.43%	7.77%	7.71%	7.89%	8.08%	8.65%	9.21%	9.65%	4.65%	4.94%	7.08%	7.45%	6.42%	6.28%	5.90%
Red Flag Computation 27	10	0	0	2	0	0	8	0	0	0	0	0	0	0	0
	0.00%	0.00%	0.00%	0.01%	0.00%	0.00%	0.02%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Red Flag Computation 28	240	10	2	4	24	15	10	12	13	18	31	26	23	30	22
	0.06%	0.05%	0.01%	0.01%	0.08%	0.04%	0.03%	0.03%	0.04%	0.06%	0.10%	0.09%	0.11%	0.17%	0.15%
Red Flag Computation 29	5,811	400	588	760	900	900	928	651	433	251	0	0	0	0	0
	1.50%	1.91%	2.30%	2.52%	2.84%	2.62%	2.52%	1.87%	1.41%	0.85%	0.00%	0.00%	0.00%	0.00%	0.00%
Red Flag Computation 30	23,215	1,637	2,234	2,847	2,794	2,894	2,951	2,256	1,742	1,278	809	599	485	402	287
	6.01%	7.80%	8.76%	9.43%	8.81%	8.43%	8.00%	6.48%	5.69%	4.30%	2.70%	2.17%	2.23%	2.25%	1.97%
Red Flag Computation 31	28,069	656	1,676	2,021	2,221	2,334	3,157	2,402	2,062	2,319	2,748	2,615	1,727	1,122	1,009
	7.27%	3.12%	6.57%	6.70%	7.00%	6.80%	8.56%	6.90%	6.73%	7.81%	9.18%	9.49%	7.95%	6.29%	6.94%
Red Flag Computation 32	959	49	56	139	154	146	147	118	77	25	17	14	10	4	3
	0.25%	0.23%	0.22%	0.46%	0.49%	0.43%	0.40%	0.34%	0.25%	0.08%	0.06%	0.05%	0.05%	0.02%	0.02%
Red Flag Computation 33	16,575	1,090	1,083	1,440	1,473	1,858	1,981	1,556	1,063	1,133	1,269	1,158	619	584	268
	4.29%	5.19%	4.24%	4.77%	4.64%	5.41%	5.37%	4.47%	3.47%	3.82%	4.24%	4.20%	2.85%	3.27%	1.84%
Red Flag Computation 34	4,134	10	28	56	149	250	360	348	335	377	692	731	441	202	155
	1.07%	0.05%	0.11%	0.19%	0.47%	0.73%	0.98%	1.00%	1.09%	1.27%	2.31%	2.65%	2.03%	1.13%	1.07%
Red Flag Computation 35	52,512	4,096	4,347	4,447	4,257	4,861	4,263	3,716	3,320	3,457	3,919	3,550	2,898	2,567	2,814
	13.59%	19.51%	17.04%	14.73%	13.42%	14.15%	11.56%	10.68%	10.84%	11.64%	13.10%	12.89%	13.34%	14.39%	19.36%
Red Flag Computation 36	34,616	1,939	2,352	3,073	2,625	3,134	3,316	3,270	2,706	2,723	2,363	2,134	1,999	1,954	1,028
	8.96%	9.24%	9.22%	10.18%	8.28%	9.12%	8.99%	9.40%	8.83%	9.17%	7.90%	7.75%	9.20%	10.95%	7.07%

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All Defendants Combination Red Flagged Prescriptions Summary
Trumbull County, OH

Red Flag Computation 1-43, in # of Prescriptions

	Total	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Total # of Combination Red Flagged Prescriptions	517,145	28,108	34,346	40,005	42,439	45,903	49,025	46,425	41,342	39,447	39,727	36,984	29,712	24,263	19,419
Total # of Combination Red Flagged Opioid Prescriptions	386,305	20,993	25,513	30,181	31,712	34,348	36,872	34,791	30,641	29,687	29,923	27,551	21,719	17,840	14,534
Red Flag Computation 37	489	11	10	13	45	54	66	45	40	39	43	36	44	29	14
	0.13%	0.05%	0.04%	0.04%	0.14%	0.16%	0.18%	0.13%	0.13%	0.13%	0.14%	0.13%	0.20%	0.16%	0.10%
Red Flag Computation 38	270,760	14,607	18,164	20,408	22,270	23,862	25,007	24,299	22,344	20,501	20,571	19,465	16,252	13,019	9,991
	52.36%	51.97%	52.89%	51.01%	52.48%	51.98%	51.01%	52.34%	54.05%	51.97%	51.78%	52.63%	54.70%	53.66%	51.45%
Red Flag Computation 39	20,967	1,062	1,899	2,088	2,232	2,023	2,218	2,144	1,663	1,292	1,304	1,134	816	559	533
	4.05%	3.78%	5.53%	5.22%	5.26%	4.41%	4.52%	4.62%	4.02%	3.28%	3.28%	3.07%	2.75%	2.30%	2.74%
Red Flag Computation 40	11,707	677	889	1,359	1,308	1,134	1,497	1,112	761	768	752	619	309	302	220
	3.03%	3.22%	3.48%	4.50%	4.12%	3.30%	4.06%	3.20%	2.48%	2.59%	2.51%	2.25%	1.42%	1.69%	1.51%
Red Flag Computation 41	116,155	6,415	8,399	9,124	9,976	10,390	10,911	10,780	8,906	7,830	7,650	8,001	7,204	5,838	4,731
	22.46%	22.82%	24.45%	22.81%	23.51%	22.63%	22.26%	23.22%	21.54%	19.85%	19.26%	21.63%	24.25%	24.06%	24.36%
Red Flag Computation 42	34,146	2,776	3,000	3,136	3,378	3,645	3,709	2,951	2,544	2,188	1,874	1,701	1,314	928	1,002
	6.60%	9.88%	8.73%	7.84%	7.96%	7.94%	7.57%	6.36%	6.15%	5.55%	4.72%	4.60%	4.42%	3.82%	5.16%
Red Flag Computation 43	753	52	98	180	107	96	117	56	27	16	2	0	0	0	2
	0.15%	0.19%	0.29%	0.45%	0.25%	0.21%	0.24%	0.12%	0.07%	0.04%	0.01%	0.00%	0.00%	0.00%	0.01%
Flagged for Any of the Red Flag Computation 1-43	517,145	28,108	34,346	40,005	42,439	45,903	49,025	46,425	41,342	39,447	39,727	36,984	29,712	24,263	19,419
	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%

Notes

Defendant	Date Range
CVS	January 1, 2006 to November 29, 2019
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All Defendants Combination Red Flagged Prescriptions Summary
Trumbull County, OH

Red Flag Computation 1-43, in Dosage Units

	Total	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Total Dosage Units of Combination Red Flagged Prescriptions	39,687,975	1,882,816	2,422,110	2,963,680	3,249,407	3,471,359	3,793,068	3,591,042	3,232,861	3,131,614	3,190,026	2,969,773	2,395,385	1,927,697	1,467,137
Total Dosage Units of Combination Red Flagged Opioid Prescriptions	30,916,477	1,425,205	1,832,111	2,311,660	2,516,650	2,705,120	3,003,121	2,829,221	2,521,152	2,454,233	2,517,415	2,326,873	1,851,864	1,477,627	1,144,225
Red Flag Computation 1	981,769	49,573	66,987	77,446	82,887	95,130	112,377	91,945	82,044	80,064	73,017	57,646	39,383	39,848	33,422
	3.18%	3.48%	3.66%	3.35%	3.29%	3.52%	3.74%	3.25%	3.25%	3.26%	2.90%	2.48%	2.13%	2.70%	2.92%
Red Flag Computation 2	6,532,075	303,869	390,824	534,218	525,137	585,176	618,285	601,415	529,328	508,769	480,065	460,521	391,839	360,192	242,437
	21.13%	21.32%	21.33%	23.11%	20.87%	21.63%	20.59%	21.26%	21.00%	20.73%	19.07%	19.79%	21.16%	24.38%	21.19%
Red Flag Computation 3	4,445,856	220,444	296,560	402,086	457,230	443,286	491,915	456,493	363,010	337,129	307,577	282,237	169,822	132,288	85,779
	14.38%	15.47%	16.19%	17.39%	18.17%	16.39%	16.38%	16.13%	14.40%	13.74%	12.22%	12.13%	9.17%	8.95%	7.50%
Red Flag Computation 4	2,386,098	81,336	105,937	159,018	192,861	186,261	216,855	252,161	250,030	246,413	275,536	167,193	103,734	89,544	59,219
	7.72%	5.71%	5.78%	6.88%	7.66%	6.89%	7.22%	8.91%	9.92%	10.04%	10.95%	7.19%	5.60%	6.06%	5.18%
Red Flag Computation 5	5,395,256	254,913	391,842	442,272	506,969	511,985	593,413	546,394	462,754	384,869	351,346	338,587	256,659	202,765	150,488
	13.59%	13.54%	16.18%	14.92%	15.60%	14.75%	15.64%	15.22%	14.31%	12.29%	11.01%	11.40%	10.71%	10.52%	10.26%
Red Flag Computation 6	1,776,636	90,838	163,089	181,941	187,670	166,187	179,852	175,955	141,471	107,817	112,161	100,720	68,276	52,274	48,385
	4.48%	4.82%	6.73%	6.14%	5.78%	4.79%	4.74%	4.90%	4.38%	3.44%	3.52%	3.39%	2.85%	2.71%	3.30%
Red Flag Computation 7	23,545,610	1,158,890	1,464,955	1,716,488	1,924,530	2,035,904	2,162,060	2,079,428	1,934,256	1,865,645	1,897,922	1,787,758	1,472,867	1,193,110	851,797
	59.33%	61.55%	60.48%	57.92%	59.23%	58.65%	57.00%	57.91%	59.83%	59.57%	59.50%	60.20%	61.49%	61.89%	58.06%
Red Flag Computation 8	17,699,486	858,221	1,096,558	1,247,609	1,410,673	1,485,850	1,539,761	1,520,153	1,455,098	1,415,535	1,454,157	1,372,791	1,177,455	970,251	695,374
	44.60%	45.58%	45.27%	42.10%	43.41%	42.80%	40.59%	42.33%	45.01%	45.20%	45.58%	46.23%	49.16%	50.33%	47.40%
Red Flag Computation 9	1,837,573	47,055	81,418	132,431	123,217	139,940	209,911	145,906	138,912	164,346	217,837	192,520	103,994	76,597	63,489
	5.94%	3.30%	4.44%	5.73%	4.90%	5.17%	6.99%	5.16%	5.51%	6.70%	8.65%	8.27%	5.62%	5.18%	5.55%
Red Flag Computation 10	3,518,383	113,637	147,146	248,668	303,762	332,182	427,477	376,082	248,260	205,028	226,393	169,002	110,453	68,947	541,346
	11.38%	7.97%	8.03%	10.76%	12.07%	12.28%	14.23%	13.29%	9.85%	8.35%	8.99%	7.26%	5.96%	4.67%	47.31%
Red Flag Computation 11	3,099,811	113,637	147,146	248,668	303,762	332,182	427,477	376,082	248,260	205,028	226,393	169,002	110,453	68,947	122,774
	10.03%	7.97%	8.03%	10.76%	12.07%	12.28%	14.23%	13.29%	9.85%	8.35%	8.99%	7.26%	5.96%	4.67%	10.73%
Red Flag Computation 12	4,679,703	64,772	90,809	142,037	224,864	323,410	459,879	413,476	355,741	406,211	569,875	547,444	458,339	353,722	269,124
	15.14%	4.54%	4.96%	6.14%	8.94%	11.96%	15.31%	14.61%	14.11%	16.55%	22.64%	23.53%	24.75%	23.94%	23.52%
Red Flag Computation 13	2,617,158	98,695	136,588	175,419	201,473	241,941	306,931	286,602	149,197	171,190	243,950	230,810	153,824	124,354	96,184
	8.47%	6.92%	7.46%	7.59%	8.01%	8.94%	10.22%	10.13%	5.92%	6.98%	9.69%	9.92%	8.31%	8.42%	8.41%
Red Flag Computation 14	732,316	44,575	73,172	94,978	116,375	113,141	125,694	81,185	53,945	29,251	0	0	0	0	0
	2.37%	3.13%	3.99%	4.11%	4.62%	4.18%	4.19%	2.87%	2.14%	1.19%	0.00%	0.00%	0.00%	0.00%	0.00%
Red Flag Computation 15	12,304,942	565,630	797,705	1,113,814	1,181,678	1,209,308	1,382,535	1,207,471	1,010,669	922,867	886,203	766,502	553,220	413,413	293,927
	39.80%	39.69%	43.54%	48.18%	46.95%	44.70%	46.04%	42.68%	40.09%	37.60%	35.20%	32.94%	29.87%	27.98%	25.69%
Red Flag Computation 16	911,957	45,474	74,316	117,651	105,217	101,699	122,329	90,868	74,012	50,759	31,715	20,599	23,269	32,752	21,297
	2.95%	3.19%	4.06%	5.09%	4.18%	3.76%	4.07%	3.21%	2.94%	2.07%	1.26%	0.89%	1.26%	2.22%	1.86%
Red Flag Computation 17	4,790,590	217,908	292,888	399,639	411,843	438,623	450,779	444,866	357,098	340,777	341,629	335,167	293,220	275,616	190,537
	12.07%	11.57%	12.09%	13.48%	12.67%	12.64%	11.88%	12.39%	11.05%	10.88%	10.71%	11.29%	12.24%	14.30%	12.99%
Red Flag Computation 18	1,265,462	67,157	84,024	113,989	113,055	121,224	130,636	115,899	111,008	109,256	94,430	79,314	52,320	41,343	31,807
	4.09%	4.71%	4.59%	4.93%	4.49%	4.48%	4.35%	4.10%	4.40%	4.45%	3.75%	3.41%	2.83%	2.80%	2.78%

CONFIDENTIAL – SUBJECT TO PROTECTIVE ORDER

All Defendants Combination Red Flagged Prescriptions Summary
Trumbull County, OH
Red Flag Computation 1-43, in Dosage Units

	Total	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Total Dosage Units of Combination Red Flagged Prescriptions	39,687,975	1,882,816	2,422,110	2,963,680	3,249,407	3,471,359	3,793,068	3,591,042	3,232,861	3,131,614	3,190,026	2,969,773	2,395,385	1,927,697	1,467,137
Total Dosage Units of Combination Red Flagged Opioid Prescriptions	30,916,477	1,425,205	1,832,111	2,311,660	2,516,650	2,705,120	3,003,121	2,829,221	2,521,152	2,454,233	2,517,415	2,326,873	1,851,864	1,477,627	1,144,225
Red Flag Computation 19	585,567	26,925	36,979	49,723	52,849	59,232	66,015	54,248	51,430	52,829	43,752	36,280	24,946	17,776	12,583
	1.89%	1.89%	2.02%	2.15%	2.10%	2.19%	2.20%	1.92%	2.04%	2.15%	1.74%	1.56%	1.35%	1.20%	1.10%
Red Flag Computation 20	1,582,147	83,762	107,851	150,112	158,247	184,884	184,276	154,407	116,808	115,447	96,316	87,233	59,548	49,371	33,885
	5.12%	5.88%	5.89%	6.49%	6.29%	6.83%	6.14%	5.46%	4.63%	4.70%	3.83%	3.75%	3.22%	3.34%	2.96%
Red Flag Computation 21	1,147,269	57,855	75,576	105,797	98,951	111,555	119,017	124,208	113,225	101,119	74,992	66,607	42,105	35,593	20,669
	3.71%	4.06%	4.13%	4.58%	3.93%	4.12%	3.96%	4.39%	4.49%	4.12%	2.98%	2.86%	2.27%	2.41%	1.81%
Red Flag Computation 22	29,707	1,282	954	3,069	3,724	3,038	2,843	4,016	2,864	2,249	1,480	1,123	1,034	1,597	434
	0.10%	0.09%	0.05%	0.13%	0.15%	0.11%	0.09%	0.14%	0.11%	0.09%	0.06%	0.05%	0.06%	0.11%	0.04%
Red Flag Computation 23	51,960	1,501	1,703	3,885	6,221	3,853	5,302	5,557	7,698	5,360	3,212	1,677	1,790	3,015	1,186
	0.17%	0.11%	0.09%	0.17%	0.25%	0.14%	0.18%	0.20%	0.31%	0.22%	0.13%	0.07%	0.10%	0.20%	0.10%
Red Flag Computation 24	2,951,811	108,837	131,472	189,586	231,207	232,939	262,434	301,507	321,028	319,037	338,628	208,082	121,498	108,408	77,148
	9.55%	7.64%	7.18%	8.20%	9.19%	8.61%	8.74%	10.66%	12.73%	13.00%	13.45%	8.94%	6.56%	7.34%	6.74%
Red Flag Computation 25	3,147,598	45,456	66,640	99,246	147,097	216,231	300,293	270,655	235,814	275,735	388,395	375,241	307,634	239,119	180,042
	10.18%	3.19%	3.64%	4.29%	5.84%	7.99%	10.00%	9.57%	9.35%	11.24%	15.43%	16.13%	16.61%	16.18%	15.73%
Red Flag Computation 26	2,413,306	94,012	132,802	170,482	189,606	227,573	287,899	271,276	135,660	148,535	214,506	205,624	137,495	112,275	85,561
	7.81%	6.60%	7.25%	7.37%	7.53%	8.41%	9.59%	9.59%	5.38%	6.05%	8.52%	8.84%	7.42%	7.60%	7.48%
Red Flag Computation 27	960	0	0	0	0	0	960	0	0	0	0	0	0	0	0
	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.03%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Red Flag Computation 28	28,086	798	240	90	2,414	1,770	1,200	1,300	1,640	2,560	4,230	3,024	2,760	3,600	2,460
	0.09%	0.06%	0.01%	0.00%	0.10%	0.07%	0.04%	0.05%	0.07%	0.10%	0.17%	0.13%	0.15%	0.24%	0.21%
Red Flag Computation 29	541,114	34,742	53,363	70,210	82,491	81,409	92,807	61,771	41,645	22,676	0	0	0	0	0
	1.75%	2.44%	2.91%	3.04%	3.28%	3.01%	3.09%	2.18%	1.65%	0.92%	0.00%	0.00%	0.00%	0.00%	0.00%
Red Flag Computation 30	2,036,247	128,730	183,960	255,182	250,726	262,268	272,637	209,102	155,154	118,150	65,934	46,993	38,376	28,853	20,182
	6.59%	9.03%	10.04%	11.04%	9.96%	9.70%	9.08%	7.39%	6.15%	4.81%	2.62%	2.02%	2.07%	1.95%	1.76%
Red Flag Computation 31	2,854,814	67,592	164,142	217,667	242,826	254,163	347,458	269,654	236,912	226,880	227,450	223,136	176,856	107,189	92,889
	9.23%	4.74%	8.96%	9.42%	9.65%	9.40%	11.57%	9.53%	9.40%	9.24%	9.04%	9.59%	9.55%	7.25%	8.12%
Red Flag Computation 32	101,731	1,960	5,368	16,227	18,604	17,862	18,728	8,924	4,758	2,813	2,605	1,590	798	840	654
	0.33%	0.14%	0.29%	0.70%	0.74%	0.66%	0.62%	0.32%	0.19%	0.11%	0.10%	0.07%	0.04%	0.06%	0.06%
Red Flag Computation 33	889,569	48,376	59,219	91,535	90,124	103,533	125,505	90,038	55,222	59,428	61,753	53,270	23,977	17,772	9,817
	2.88%	3.39%	3.23%	3.96%	3.58%	3.83%	4.18%	3.18%	2.19%	2.42%	2.45%	2.29%	1.29%	1.20%	0.86%
Red Flag Computation 34	375,781	370	1,884	4,549	13,174	18,845	29,870	27,003	29,111	30,889	71,216	71,550	44,623	18,388	14,309
	1.22%	0.03%	0.10%	0.20%	0.52%	0.70%	0.99%	0.95%	1.15%	1.26%	2.83%	3.07%	2.41%	1.24%	1.25%
Red Flag Computation 35	2,892,368	209,731	229,211	250,630	245,737	267,928	242,876	215,529	186,767	218,758	236,276	199,207	153,384	111,190	125,144
	9.36%	14.72%	12.51%	10.84%	9.76%	9.90%	8.09%	7.62%	7.41%	8.91%	9.39%	8.56%	8.28%	7.52%	10.94%
Red Flag Computation 36	2,704,783	121,854	160,940	264,011	236,758	260,882	274,935	269,194	200,407	181,765	163,642	165,609	154,135	164,921	85,730
	8.75%	8.55%	8.78%	11.42%	9.41%	9.64%	9.15%	9.51%	7.95%	7.41%	6.50%	7.12%	8.32%	11.16%	7.49%

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All Defendants Combination Red Flagged Prescriptions Summary
Trumbull County, OH

Red Flag Computation 1-43, in Dosage Units

	Total	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Total Dosage Units of Combination Red Flagged Prescriptions	39,687,975	1,882,816	2,422,110	2,963,680	3,249,407	3,471,359	3,793,068	3,591,042	3,232,861	3,131,614	3,190,026	2,969,773	2,395,385	1,927,697	1,467,137
Total Dosage Units of Combination Red Flagged Opioid Prescriptions	30,916,477	1,425,205	1,832,111	2,311,660	2,516,650	2,705,120	3,003,121	2,829,221	2,521,152	2,454,233	2,517,415	2,326,873	1,851,864	1,477,627	1,144,225
Red Flag Computation 37	64,010	1,134	720	800	3,230	4,730	4,432	6,330	5,500	4,900	5,005	8,080	9,271	6,878	3,000
	0.21%	0.08%	0.04%	0.03%	0.13%	0.17%	0.15%	0.22%	0.22%	0.20%	0.20%	0.35%	0.50%	0.47%	0.26%
Red Flag Computation 38	21,706,367	1,065,185	1,378,374	1,570,994	1,782,765	1,872,034	1,960,075	1,930,810	1,808,899	1,711,575	1,730,535	1,623,403	1,352,311	1,103,313	816,094
	54.69%	56.57%	56.91%	53.01%	54.86%	53.93%	51.68%	53.77%	55.95%	54.65%	54.25%	54.66%	56.45%	57.23%	55.62%
Red Flag Computation 39	1,703,661	87,634	158,469	177,377	182,733	161,207	175,027	169,155	131,173	101,805	104,349	95,000	65,441	48,224	46,067
	4.29%	4.65%	6.54%	5.99%	5.62%	4.64%	4.61%	4.71%	4.06%	3.25%	3.27%	3.20%	2.73%	2.50%	3.14%
Red Flag Computation 40	864,176	41,362	62,134	113,670	105,125	90,372	115,310	74,653	54,121	54,541	59,704	42,326	17,760	17,944	15,154
	2.80%	2.90%	3.39%	4.92%	4.18%	3.34%	3.84%	2.64%	2.15%	2.22%	2.37%	1.82%	0.96%	1.21%	1.32%
Red Flag Computation 41	9,615,972	469,904	661,735	717,647	817,385	806,737	874,251	892,557	738,847	674,392	664,614	698,594	641,173	535,910	422,226
	24.23%	24.96%	27.32%	24.21%	25.15%	23.24%	23.05%	24.86%	22.85%	21.53%	20.83%	23.52%	26.77%	27.80%	28.78%
Red Flag Computation 42	2,188,553	157,581	181,462	201,463	218,649	220,292	249,670	192,315	166,220	154,516	126,803	115,120	90,685	58,397	55,380
	5.51%	8.37%	7.49%	6.80%	6.73%	6.35%	6.58%	5.36%	5.14%	4.93%	3.97%	3.88%	3.79%	3.03%	3.77%
Red Flag Computation 43	39,984	3,342	4,177	8,971	6,375	4,955	6,438	3,272	1,364	790	90	0	0	0	210
	0.10%	0.18%	0.17%	0.30%	0.20%	0.14%	0.17%	0.09%	0.04%	0.03%	0.00%	0.00%	0.00%	0.00%	0.01%
Flagged for Any of the Red Flag Computation 1-43	39,687,975	1,882,816	2,422,110	2,963,680	3,249,407	3,471,359	3,793,068	3,591,042	3,232,861	3,131,614	3,190,026	2,969,773	2,395,385	1,927,697	1,467,137
	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%

Notes

Defendant	Date Range
CVS	January 1, 2006 to November 29, 2019
Giant Eagle/HBC	January 1, 2006 to December 3, 2019
Rite Aid	January 1, 2006 to November 19, 2019
Walgreens	January 3, 2006 to January 3, 2020
Wal-Mart	January 2, 2006 to April 25, 2018

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All Defendants Combination Red Flagged Prescriptions Summary
Trumbull County, OH
Red Flag Computation 1-43, in MME

	Total	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Total MME of Combination Red Flagged Prescriptions	590,141,279	27,988,637	34,708,285	48,085,498	51,598,079	54,879,479	62,809,542	56,943,976	47,252,590	43,941,716	46,894,672	41,700,316	30,933,665	24,152,082	18,252,742
Total MME of Combination Red Flagged Opioid Prescriptions	590,141,279	27,988,637	34,708,285	48,085,498	51,598,079	54,879,479	62,809,542	56,943,976	47,252,590	43,941,716	46,894,672	41,700,316	30,933,665	24,152,082	18,252,742
Red Flag Computation 1	19,570,062	1,015,831	1,322,057	1,374,330	1,619,573	2,097,362	2,630,253	1,945,562	1,708,587	1,514,081	1,400,453	1,065,234	654,041	689,828	532,872
	3.32%	3.63%	3.81%	2.86%	3.14%	3.82%	4.19%	3.42%	3.62%	3.45%	2.99%	2.55%	2.11%	2.86%	2.92%
Red Flag Computation 2	116,333,736	5,120,431	7,484,194	10,996,737	9,895,190	11,048,893	11,620,738	10,765,363	9,426,983	8,581,682	8,411,448	7,609,701	6,016,395	5,685,389	3,670,592
	19.71%	18.29%	21.56%	22.87%	19.18%	20.13%	18.50%	18.91%	19.95%	19.53%	17.94%	18.25%	19.45%	23.54%	20.11%
Red Flag Computation 3	81,801,009	4,286,324	5,353,350	8,288,083	8,958,542	8,252,648	9,297,383	8,292,315	6,596,489	5,979,580	5,199,651	4,914,212	2,848,250	2,207,756	1,326,425
	13.86%	15.31%	15.42%	17.24%	17.36%	15.04%	14.80%	14.56%	13.96%	13.61%	11.09%	11.78%	9.21%	9.14%	7.27%
Red Flag Computation 4	59,508,079	2,398,847	2,476,142	4,371,920	4,893,425	4,652,889	5,757,825	7,010,447	6,334,679	5,782,813	6,519,737	4,025,450	2,354,501	1,785,247	1,144,158
	10.08%	8.57%	7.13%	9.09%	9.48%	8.48%	9.17%	12.31%	13.41%	13.16%	13.90%	9.65%	7.61%	7.39%	6.27%
Red Flag Computation 5	62,304,051	2,741,064	3,811,131	4,795,995	6,233,296	6,336,175	8,021,297	6,604,648	5,375,223	4,342,513	4,001,140	3,610,001	2,540,088	2,234,465	1,657,016
	10.56%	9.79%	10.98%	9.97%	12.08%	11.55%	12.77%	11.60%	11.38%	9.88%	8.53%	8.66%	8.21%	9.25%	9.08%
Red Flag Computation 6	17,401,474	681,128	1,244,337	1,682,310	1,945,385	1,795,712	2,117,800	1,889,051	1,463,343	1,249,304	1,108,176	830,059	475,886	456,498	462,485
	2.95%	2.43%	3.59%	3.50%	3.77%	3.27%	3.37%	3.32%	3.10%	2.84%	2.36%	1.99%	1.54%	1.89%	2.53%
Red Flag Computation 7	299,652,463	14,133,689	17,943,417	24,047,833	26,232,090	27,459,668	30,497,839	28,398,118	24,582,420	22,349,046	23,775,074	21,356,635	16,432,151	13,186,638	9,257,844
	50.78%	50.50%	51.70%	50.01%	50.84%	50.04%	48.56%	49.87%	52.02%	50.86%	50.70%	51.21%	53.12%	54.60%	50.72%
Red Flag Computation 8	188,607,781	8,647,101	11,164,282	14,133,213	15,748,522	16,793,230	18,183,852	16,861,352	15,379,947	14,252,887	15,519,066	13,952,176	11,475,191	9,584,809	6,912,152
	31.96%	30.90%	32.17%	29.39%	30.52%	30.60%	28.95%	29.61%	32.55%	32.44%	33.09%	33.46%	37.10%	39.69%	37.87%
Red Flag Computation 9	37,848,590	783,109	1,712,416	3,170,201	2,625,323	3,293,105	4,230,368	3,102,753	2,997,187	3,284,446	4,302,966	3,631,544	1,898,023	1,517,198	1,299,953
	6.41%	2.80%	4.93%	6.59%	5.09%	6.00%	6.74%	5.45%	6.34%	7.47%	9.18%	8.71%	6.14%	6.28%	7.12%
Red Flag Computation 10	219,096,847	10,563,269	13,298,664	20,512,978	22,820,852	24,071,601	28,797,129	24,451,058	16,382,510	12,711,558	13,578,711	9,864,405	5,772,505	3,819,643	12,451,966
	37.13%	37.74%	38.32%	42.66%	44.23%	43.86%	45.85%	42.94%	34.67%	28.93%	28.96%	23.66%	18.66%	15.81%	68.22%
Red Flag Computation 11	212,233,651	10,563,269	13,298,664	20,512,978	22,820,852	24,071,601	28,797,129	24,451,058	16,382,510	12,711,558	13,578,711	9,864,405	5,772,505	3,819,643	5,588,770
	35.96%	37.74%	38.32%	42.66%	44.23%	43.86%	45.85%	42.94%	34.67%	28.93%	28.96%	23.66%	18.66%	15.81%	30.62%
Red Flag Computation 12	74,358,588	731,023	896,708	2,016,888	4,654,800	7,331,988	11,120,628	8,832,395	5,030,310	5,077,960	7,420,965	7,179,338	6,113,035	4,487,185	3,465,368
	12.60%	2.61%	2.58%	4.19%	9.02%	13.36%	17.71%	15.51%	10.65%	11.56%	15.82%	17.22%	19.76%	18.58%	18.99%
Red Flag Computation 13	33,735,843	839,053	1,152,788	1,751,823	2,631,560	3,760,500	4,813,578	3,981,303	2,030,343	2,056,915	2,977,245	2,896,413	2,042,513	1,559,123	1,242,690
	5.72%	3.00%	3.32%	3.64%	5.10%	6.85%	7.66%	6.99%	4.30%	4.68%	6.35%	6.95%	6.60%	6.46%	6.81%
Red Flag Computation 14	6,014,342	349,170	570,095	784,885	928,773	952,208	1,057,365	680,199	447,054	244,595	0	0	0	0	0
	1.02%	1.25%	1.64%	1.63%	1.80%	1.74%	1.68%	1.19%	0.95%	0.56%	0.00%	0.00%	0.00%	0.00%	0.00%
Red Flag Computation 15	339,246,206	17,317,281	21,687,365	33,264,961	34,435,148	34,284,216	39,695,308	34,053,704	26,486,836	23,162,634	24,545,894	20,286,875	13,351,365	9,962,847	6,711,774
	57.49%	61.87%	62.48%	69.18%	66.74%	62.47%	63.20%	59.80%	56.05%	52.71%	52.34%	48.65%	43.16%	41.25%	36.77%
Red Flag Computation 16	13,143,027	433,492	851,068	1,638,487	1,532,829	1,596,898	2,030,144	1,362,402	1,148,064	651,662	417,495	249,186	372,401	498,230	360,669
	2.23%	1.55%	2.45%	3.41%	2.97%	2.91%	3.23%	2.39%	2.43%	1.48%	0.89%	0.60%	1.20%	2.06%	1.98%
Red Flag Computation 17	79,168,994	3,565,748	5,424,322	7,698,269	6,949,706	7,518,157	7,674,035	7,081,681	6,009,683	5,530,986	5,582,573	5,127,279	4,148,086	4,138,816	2,719,653
	13.42%	12.74%	15.63%	16.01%	13.47%	13.70%	12.22%	12.44%	12.72%	12.59%	11.90%	12.30%	13.41%	17.14%	14.90%
Red Flag Computation 18	17,499,298	968,125	1,171,327	1,608,460	1,606,833	1,678,565	2,012,741	1,759,538	1,544,844	1,436,781	1,250,090	984,959	626,149	486,585	364,302
	2.97%	3.46%	3.37%	3.34%	3.11%	3.06%	3.20%	3.09%	3.27%	3.27%	2.67%	2.36%	2.02%	2.01%	2.00%

CONFIDENTIAL – SUBJECT TO PROTECTIVE ORDER

All Defendants Combination Red Flagged Prescriptions Summary
Trumbull County, OH
Red Flag Computation 1-43, in MME

	Total	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Total MME of Combination Red Flagged Prescriptions	590,141,279	27,988,637	34,708,285	48,085,498	51,598,079	54,879,479	62,809,542	56,943,976	47,252,590	43,941,716	46,894,672	41,700,316	30,933,665	24,152,082	18,252,742
Total MME of Combination Red Flagged Opioid Prescriptions	590,141,279	27,988,637	34,708,285	48,085,498	51,598,079	54,879,479	62,809,542	56,943,976	47,252,590	43,941,716	46,894,672	41,700,316	30,933,665	24,152,082	18,252,742
Red Flag Computation 19	8,873,366	375,652	490,683	738,549	846,547	1,002,719	1,226,462	858,744	765,088	708,859	625,097	521,233	321,626	226,572	165,536
	1.50%	1.34%	1.41%	1.54%	1.64%	1.83%	1.95%	1.51%	1.62%	1.61%	1.33%	1.25%	1.04%	0.94%	0.91%
Red Flag Computation 20	27,809,192	1,630,100	1,952,978	3,051,321	3,084,694	3,572,726	3,426,001	2,641,838	1,794,568	1,770,083	1,509,559	1,395,455	857,492	663,816	458,561
	4.71%	5.82%	5.63%	6.35%	5.98%	6.51%	5.45%	4.64%	3.80%	4.03%	3.22%	3.35%	2.77%	2.75%	2.51%
Red Flag Computation 21	18,393,277	1,020,794	1,222,548	1,843,627	1,505,254	1,717,056	2,052,937	2,069,379	1,899,325	1,542,015	1,132,305	1,053,055	608,370	474,605	252,007
	3.12%	3.65%	3.52%	3.83%	2.92%	3.13%	3.27%	3.63%	4.02%	3.51%	2.41%	2.53%	1.97%	1.97%	1.38%
Red Flag Computation 22	685,630	39,684	12,968	47,079	92,468	72,803	97,643	83,448	73,328	67,896	36,420	14,170	10,325	21,738	15,663
	0.12%	0.14%	0.04%	0.10%	0.18%	0.13%	0.16%	0.15%	0.16%	0.15%	0.08%	0.03%	0.03%	0.09%	0.09%
Red Flag Computation 23	1,390,249	32,854	36,933	60,855	153,988	93,858	204,080	105,732	243,190	206,356	123,610	19,615	18,445	43,403	47,333
	0.24%	0.12%	0.11%	0.13%	0.30%	0.17%	0.32%	0.19%	0.51%	0.47%	0.26%	0.05%	0.06%	0.18%	0.26%
Red Flag Computation 24	70,933,036	3,065,708	2,938,019	4,900,944	5,313,870	5,427,011	6,727,793	8,616,771	7,807,225	7,322,470	7,708,308	4,897,915	2,654,835	2,091,310	1,460,858
	12.02%	10.95%	8.46%	10.19%	10.30%	9.89%	10.71%	15.13%	16.52%	16.66%	16.44%	11.75%	8.58%	8.66%	8.00%
Red Flag Computation 25	47,917,256	465,320	626,555	1,316,650	2,974,223	4,687,268	7,013,370	5,519,034	3,272,570	3,333,045	4,807,845	4,699,093	3,941,983	2,939,268	2,321,035
	8.12%	1.66%	1.81%	2.74%	5.76%	8.54%	11.17%	9.69%	6.93%	7.59%	10.25%	11.27%	12.74%	12.17%	12.72%
Red Flag Computation 26	30,399,300	778,040	1,132,130	1,697,610	2,364,885	3,409,745	4,315,468	3,630,080	1,851,800	1,770,875	2,593,555	2,555,635	1,800,355	1,399,213	1,099,910
	5.15%	2.78%	3.26%	3.53%	4.58%	6.21%	6.87%	6.37%	3.92%	4.03%	5.53%	6.13%	5.82%	5.79%	6.03%
Red Flag Computation 27	10,000	0	0	400	0	0	9,600	0	0	0	0	0	0	0	0
	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.02%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Red Flag Computation 28	858,600	10,260	1,800	850	34,570	36,000	12,000	16,550	20,700	81,600	149,450	126,720	124,200	140,400	103,500
	0.15%	0.04%	0.01%	0.00%	0.07%	0.07%	0.02%	0.03%	0.04%	0.19%	0.32%	0.30%	0.40%	0.58%	0.57%
Red Flag Computation 29	4,423,205	267,295	412,893	577,230	655,705	679,353	783,608	511,230	345,196	190,697	0	0	0	0	0
	0.75%	0.96%	1.19%	1.20%	1.27%	1.24%	1.25%	0.90%	0.73%	0.43%	0.00%	0.00%	0.00%	0.00%	0.00%
Red Flag Computation 30	33,145,457	2,362,738	2,899,214	4,321,097	4,142,879	4,470,906	4,232,715	3,289,290	2,305,332	1,739,207	1,127,130	762,060	624,985	587,782	280,124
	5.62%	8.44%	8.35%	8.99%	8.03%	8.15%	6.74%	5.78%	4.88%	3.96%	2.40%	1.83%	2.02%	2.43%	1.53%
Red Flag Computation 31	51,285,589	1,177,630	2,662,160	3,482,856	4,213,753	4,534,945	6,938,448	5,579,042	4,302,896	3,730,076	4,621,786	4,002,438	2,976,590	1,730,090	1,332,881
	8.69%	4.21%	7.67%	7.24%	8.17%	8.26%	11.05%	9.80%	9.11%	8.49%	9.86%	9.60%	9.62%	7.16%	7.30%
Red Flag Computation 32	2,262,017	27,592	92,277	229,756	436,610	367,595	455,270	269,715	142,592	74,730	80,700	35,850	18,640	17,820	12,870
	0.38%	0.10%	0.27%	0.48%	0.85%	0.67%	0.72%	0.47%	0.30%	0.17%	0.17%	0.09%	0.06%	0.07%	0.07%
Red Flag Computation 33	43,899,879	2,056,890	2,532,652	4,698,600	4,601,513	5,609,044	7,026,565	4,903,716	2,680,380	2,642,656	2,924,302	2,469,798	948,835	495,138	309,791
	7.44%	7.35%	7.30%	9.77%	8.92%	10.22%	11.19%	8.61%	5.67%	6.01%	6.24%	5.92%	3.07%	2.05%	1.70%
Red Flag Computation 34	9,559,071	10,750	47,640	183,615	592,960	757,609	1,275,784	1,329,892	1,142,783	807,749	1,117,958	1,142,180	699,457	257,270	193,425
	1.62%	0.04%	0.14%	0.38%	1.15%	1.38%	2.03%	2.34%	2.42%	1.84%	2.38%	2.74%	2.26%	1.07%	1.06%
Red Flag Computation 35	82,355,936	5,382,351	5,778,384	7,197,363	7,432,088	7,814,591	7,611,275	6,220,646	5,073,479	6,860,675	7,896,752	6,402,527	4,105,721	2,344,010	2,236,075
	13.96%	19.23%	16.65%	14.97%	14.40%	14.24%	12.12%	10.92%	10.74%	15.61%	16.84%	15.35%	13.27%	9.71%	12.25%
Red Flag Computation 36	45,786,713	1,883,039	2,631,926	5,291,662	4,197,567	4,888,078	5,118,088	4,478,396	3,304,290	2,731,889	2,605,344	2,513,721	2,271,187	2,519,903	1,351,623
	7.76%	6.73%	7.58%	11.00%	8.14%	8.91%	8.15%	7.86%	6.99%	6.22%	5.56%	6.03%	7.34%	10.43%	7.41%

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All Defendants Combination Red Flagged Prescriptions Summary
Trumbull County, OH
Red Flag Computation 1-43, in MME

	Total	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Total MME of Combination Red Flagged Prescriptions	590,141,279	27,988,637	34,708,285	48,085,498	51,598,079	54,879,479	62,809,542	56,943,976	47,252,590	43,941,716	46,894,672	41,700,316	30,933,665	24,152,082	18,252,742
Total MME of Combination Red Flagged Opioid Prescriptions	590,141,279	27,988,637	34,708,285	48,085,498	51,598,079	54,879,479	62,809,542	56,943,976	47,252,590	43,941,716	46,894,672	41,700,316	30,933,665	24,152,082	18,252,742
Red Flag Computation 37	788,715	14,445	9,000	10,380	43,275	50,490	48,135	59,638	43,750	48,975	91,388	123,300	137,393	83,685	24,863
	0.13%	0.05%	0.03%	0.02%	0.08%	0.09%	0.08%	0.10%	0.09%	0.11%	0.19%	0.30%	0.44%	0.35%	0.14%
Red Flag Computation 38	240,412,468	11,215,437	14,461,881	18,283,309	20,333,906	21,953,204	24,070,390	22,547,742	19,933,023	17,982,524	18,993,962	17,232,668	13,591,794	11,364,623	8,448,007
	40.74%	40.07%	41.67%	38.02%	39.41%	40.00%	38.32%	39.60%	42.18%	40.92%	40.50%	41.33%	43.94%	47.05%	46.28%
Red Flag Computation 39	16,531,953	647,738	1,187,337	1,625,810	1,888,385	1,748,612	2,069,068	1,799,870	1,354,118	1,174,654	974,104	761,254	447,341	415,548	438,115
	2.80%	2.31%	3.42%	3.38%	3.66%	3.19%	3.29%	3.16%	2.87%	2.67%	2.08%	1.83%	1.45%	1.72%	2.40%
Red Flag Computation 40	42,411,720	2,070,328	2,763,332	5,911,656	5,497,696	4,457,100	6,021,436	3,896,146	2,719,712	2,455,839	2,927,189	1,756,173	687,051	633,141	614,922
	7.19%	7.40%	7.96%	12.29%	10.65%	8.12%	9.59%	6.84%	5.76%	5.59%	6.24%	4.21%	2.22%	2.62%	3.37%
Red Flag Computation 41	122,796,118	5,982,051	7,855,024	9,742,825	11,260,727	11,392,166	12,841,075	11,435,586	9,109,867	8,256,673	8,860,394	8,420,749	6,952,484	5,990,645	4,695,852
	20.81%	21.37%	22.63%	20.26%	21.82%	20.76%	20.44%	20.08%	19.28%	18.79%	18.89%	20.19%	22.48%	24.80%	25.73%
Red Flag Computation 42	35,754,408	1,906,879	2,303,996	3,207,225	3,841,951	3,680,625	4,382,161	3,554,966	2,787,852	2,760,925	2,153,079	1,901,090	1,487,168	930,105	856,387
	6.06%	6.81%	6.64%	6.67%	7.45%	6.71%	6.98%	6.24%	5.90%	6.28%	4.59%	4.56%	4.81%	3.85%	4.69%
Red Flag Computation 43	471,046	19,608	28,695	111,615	97,416	39,098	90,265	51,893	25,280	4,478	0	0	0	0	2,700
	0.08%	0.07%	0.08%	0.23%	0.19%	0.07%	0.14%	0.09%	0.05%	0.01%	0.00%	0.00%	0.00%	0.00%	0.01%
Flagged for Any of the Red Flag Computation 1-43	590,141,279	27,988,637	34,708,285	48,085,498	51,598,079	54,879,479	62,809,542	56,943,976	47,252,590	43,941,716	46,894,672	41,700,316	30,933,665	24,152,082	18,252,742
	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%

Notes

Defendant	Date Range
CVS	January 1, 2006 to November 29, 2019
Giant Eagle/HBC	January 1, 2006 to December 3, 2019
Rite Aid	January 1, 2006 to November 19, 2019
Walgreens	January 3, 2006 to January 3, 2020
Wal-Mart	January 2, 2006 to April 25, 2018

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CVS Combination Red Flagged Prescriptions Summary
Lake County and Trumbull County, OH
Red Flag Computation 1-43, in # of Prescriptions

	Total	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Total # of Combination Red Flagged Prescriptions	175,254	8,647	10,026	11,904	13,562	16,286	18,256	18,302	17,436	15,508	12,087	11,036	8,717	7,542	5,945
Total # of Combination Red Flagged Opioid Prescriptions	141,651	6,439	7,637	9,131	10,416	12,838	14,749	15,056	14,433	12,901	10,092	9,267	7,330	6,317	5,045
Red Flag Computation 1	7,210	344	454	513	512	648	830	928	792	590	416	406	316	253	208
	5.09%	5.34%	5.94%	5.62%	4.92%	5.05%	5.63%	6.16%	5.49%	4.57%	4.12%	4.38%	4.31%	4.01%	4.12%
Red Flag Computation 2	53,820	1,575	1,847	1,945	1,912	3,903	5,552	6,088	6,235	5,392	4,854	4,518	3,976	3,488	2,535
	37.99%	24.46%	24.18%	21.30%	18.36%	30.40%	37.64%	40.44%	43.20%	41.80%	48.10%	48.75%	54.24%	55.22%	50.25%
Red Flag Computation 3	21,929	1,137	1,451	1,876	2,175	2,317	2,428	2,272	2,121	1,857	1,276	1,233	741	610	435
	15.48%	17.66%	19.00%	20.55%	20.88%	18.05%	16.46%	15.09%	14.70%	14.39%	12.64%	13.31%	10.11%	9.66%	8.62%
Red Flag Computation 4	10,682	145	376	804	982	1,048	1,188	1,184	1,065	1,131	854	688	557	350	310
	7.54%	2.25%	4.92%	8.81%	9.43%	8.16%	8.05%	7.86%	7.38%	8.77%	8.46%	7.42%	7.60%	5.54%	6.14%
Red Flag Computation 5	22,885	1,391	1,691	1,745	2,387	2,731	2,615	2,283	2,102	1,787	1,323	1,009	780	630	411
	13.06%	16.09%	16.87%	14.66%	17.60%	16.77%	14.32%	12.47%	12.06%	11.52%	10.95%	9.14%	8.95%	8.35%	6.91%
Red Flag Computation 6	6,120	415	413	528	639	650	672	638	525	475	386	303	235	154	87
	3.49%	4.80%	4.12%	4.44%	4.71%	3.99%	3.68%	3.49%	3.01%	3.06%	3.19%	2.75%	2.70%	2.04%	1.46%
Red Flag Computation 7	84,777	4,903	5,596	6,570	7,691	8,189	8,812	8,341	7,633	6,905	5,654	5,007	3,798	3,277	2,401
	48.37%	56.70%	55.81%	55.19%	56.71%	50.28%	48.27%	45.57%	43.78%	44.53%	46.78%	45.37%	43.57%	43.45%	40.39%
Red Flag Computation 8	52,525	3,434	3,576	4,426	4,815	5,123	5,305	5,051	4,672	4,118	3,213	2,879	2,313	2,076	1,524
	29.97%	39.71%	35.67%	37.18%	35.50%	31.46%	29.06%	27.60%	26.80%	26.55%	26.58%	26.09%	26.53%	27.53%	25.63%
Red Flag Computation 9	5,158	187	214	266	424	498	609	556	550	511	490	417	165	77	194
	3.64%	2.90%	2.80%	2.91%	4.07%	3.88%	4.13%	3.69%	3.81%	3.96%	4.86%	4.50%	2.25%	1.22%	3.85%
Red Flag Computation 10	5,372	167	206	260	433	482	668	506	416	353	281	181	103	68	1,248
	3.79%	2.59%	2.70%	2.85%	4.16%	3.75%	4.53%	3.36%	2.88%	2.74%	2.78%	1.95%	1.41%	1.08%	24.74%
Red Flag Computation 11	4,388	167	206	260	433	482	668	506	416	353	281	181	103	68	264
	3.10%	2.59%	2.70%	2.85%	4.16%	3.75%	4.53%	3.36%	2.88%	2.74%	2.78%	1.95%	1.41%	1.08%	5.23%
Red Flag Computation 12	11,786	315	478	640	868	1,200	1,529	1,734	1,533	1,316	561	529	380	456	247
	8.32%	4.89%	6.26%	7.01%	8.33%	9.35%	10.37%	11.52%	10.62%	10.20%	5.56%	5.71%	5.18%	7.22%	4.90%
Red Flag Computation 13	7,845	271	325	451	676	885	1,194	1,152	1,001	733	292	276	282	197	110
	5.54%	4.21%	4.26%	4.94%	6.49%	6.89%	8.10%	7.65%	6.94%	5.68%	2.89%	2.98%	3.85%	3.12%	2.18%
Red Flag Computation 14	2,508	182	256	324	332	354	376	293	227	164	0	0	0	0	0
	1.77%	2.83%	3.35%	3.55%	3.19%	2.76%	2.55%	1.95%	1.57%	1.27%	0.00%	0.00%	0.00%	0.00%	0.00%
Red Flag Computation 15	45,571	1,935	2,797	3,421	4,023	5,058	5,496	4,932	4,476	3,880	2,734	2,600	1,805	1,327	1,087
	32.17%	30.05%	36.62%	37.47%	38.62%	39.40%	37.26%	32.76%	31.01%	30.08%	27.09%	28.06%	24.62%	21.01%	21.55%
Red Flag Computation 16	12,043	792	826	1,047	1,077	1,324	1,273	1,238	1,191	772	523	415	390	598	577
	8.50%	12.30%	10.82%	11.47%	10.34%	10.31%	8.63%	8.22%	8.25%	5.98%	5.18%	4.48%	5.32%	9.47%	11.44%
Red Flag Computation 17	30,989	1,077	1,259	1,349	1,286	2,339	3,619	3,435	3,370	2,698	2,369	2,409	2,290	2,074	1,415
	17.68%	12.46%	12.56%	11.33%	9.48%	14.36%	19.82%	18.77%	19.33%	17.40%	19.60%	21.83%	26.27%	27.50%	23.80%
Red Flag Computation 18	11,351	459	529	560	720	938	1,086	1,252	1,265	1,126	1,057	844	573	501	441
	8.01%	7.13%	6.93%	6.13%	6.91%	7.31%	7.36%	8.32%	8.76%	8.73%	10.47%	9.11%	7.82%	7.93%	8.74%

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CVS Combination Red Flagged Prescriptions Summary
Lake County and Trumbull County, OH
Red Flag Computation 1-43, in # of Prescriptions

	Total	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Total # of Combination Red Flagged Prescriptions	175,254	8,647	10,026	11,904	13,562	16,286	18,256	18,302	17,436	15,508	12,087	11,036	8,717	7,542	5,945
Total # of Combination Red Flagged Opioid Prescriptions	141,651	6,439	7,637	9,131	10,416	12,838	14,749	15,056	14,433	12,901	10,092	9,267	7,330	6,317	5,045
Red Flag Computation 19	4,814	183	228	256	380	440	461	494	561	479	420	362	201	163	186
	3.40%	2.84%	2.99%	2.80%	3.65%	3.43%	3.13%	3.28%	3.89%	3.71%	4.16%	3.91%	2.74%	2.58%	3.69%
Red Flag Computation 20	12,036	665	764	1,044	1,300	1,274	1,297	1,139	1,070	969	747	743	368	352	304
	8.50%	10.33%	10.00%	11.43%	12.48%	9.92%	8.79%	7.57%	7.41%	7.51%	7.40%	8.02%	5.02%	5.57%	6.03%
Red Flag Computation 21	10,086	465	521	709	878	971	1,003	1,043	1,169	989	725	692	359	297	265
	7.12%	7.22%	6.82%	7.76%	8.43%	7.56%	6.80%	6.93%	8.10%	7.67%	7.18%	7.47%	4.90%	4.70%	5.25%
Red Flag Computation 22	283	4	2	21	20	27	25	25	44	32	27	20	11	7	18
	0.20%	0.06%	0.03%	0.23%	0.19%	0.21%	0.17%	0.17%	0.30%	0.25%	0.27%	0.22%	0.15%	0.11%	0.36%
Red Flag Computation 23	390	7	5	29	21	38	39	29	71	38	38	34	21	2	18
	0.28%	0.11%	0.07%	0.32%	0.20%	0.30%	0.26%	0.19%	0.49%	0.29%	0.38%	0.37%	0.29%	0.03%	0.36%
Red Flag Computation 24	13,851	210	504	958	1,262	1,387	1,516	1,587	1,440	1,456	1,090	835	682	459	465
	9.78%	3.26%	6.60%	10.49%	12.12%	10.80%	10.28%	10.54%	9.98%	11.29%	10.80%	9.01%	9.30%	7.27%	9.22%
Red Flag Computation 25	8,297	203	335	446	619	880	1,166	1,335	1,103	893	338	310	225	276	168
	5.86%	3.15%	4.39%	4.88%	5.94%	6.85%	7.91%	8.87%	7.64%	6.92%	3.35%	3.35%	3.07%	4.37%	3.33%
Red Flag Computation 26	6,829	224	278	397	557	763	1,067	1,038	897	643	240	247	228	160	90
	4.82%	3.48%	3.64%	4.35%	5.35%	5.94%	7.23%	6.89%	6.21%	4.98%	2.38%	2.67%	3.11%	2.53%	1.78%
Red Flag Computation 27	3	0	2	0	0	1	0	0	0	0	0	0	0	0	0
	0.00%	0.00%	0.03%	0.00%	0.00%	0.01%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Red Flag Computation 28	77	0	6	5	14	9	8	16	11	6	0	0	0	0	2
	0.05%	0.00%	0.08%	0.05%	0.13%	0.07%	0.05%	0.11%	0.08%	0.05%	0.00%	0.00%	0.00%	0.00%	0.04%
Red Flag Computation 29	1,931	147	187	245	238	259	298	236	188	133	0	0	0	0	0
	1.36%	2.28%	2.45%	2.68%	2.28%	2.02%	2.02%	1.57%	1.30%	1.03%	0.00%	0.00%	0.00%	0.00%	0.00%
Red Flag Computation 30	7,698	501	627	766	782	945	1,083	860	766	598	287	173	118	105	87
	5.43%	7.78%	8.21%	8.39%	7.51%	7.36%	7.34%	5.71%	5.31%	4.64%	2.84%	1.87%	1.61%	1.66%	1.72%
Red Flag Computation 31	7,431	158	431	461	524	880	917	783	795	766	479	445	275	204	313
	5.25%	2.45%	5.64%	5.05%	5.03%	6.85%	6.22%	5.20%	5.51%	5.94%	4.75%	4.80%	3.75%	3.23%	6.20%
Red Flag Computation 32	1,069	95	112	90	91	142	116	144	98	83	40	26	8	10	14
	0.75%	1.48%	1.47%	0.99%	0.87%	1.11%	0.79%	0.96%	0.68%	0.64%	0.40%	0.28%	0.11%	0.16%	0.28%
Red Flag Computation 33	2,247	125	252	221	252	326	242	163	163	145	91	115	39	52	61
	1.59%	1.94%	3.30%	2.42%	2.42%	2.54%	1.64%	1.08%	1.13%	1.12%	0.90%	1.24%	0.53%	0.82%	1.21%
Red Flag Computation 34	1,143	4	3	7	21	66	70	96	107	91	136	154	124	120	144
	0.81%	0.06%	0.04%	0.08%	0.20%	0.51%	0.47%	0.64%	0.74%	0.71%	1.35%	1.66%	1.69%	1.90%	2.85%
Red Flag Computation 35	17,965	993	1,207	1,433	1,672	1,801	1,677	1,661	1,354	1,402	1,226	1,278	892	731	638
	12.68%	15.42%	15.80%	15.69%	16.05%	14.03%	11.37%	11.03%	9.38%	10.87%	12.15%	13.79%	12.17%	11.57%	12.65%
Red Flag Computation 36	31,272	494	612	551	502	2,124	3,487	3,926	3,893	3,361	3,093	2,837	2,607	2,304	1,481
	22.08%	7.67%	8.01%	6.03%	4.82%	16.54%	23.64%	26.08%	26.97%	26.05%	30.65%	30.61%	35.57%	36.47%	29.36%

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CVS Combination Red Flagged Prescriptions Summary
Lake County and Trumbull County, OH
Red Flag Computation 1-43, in # of Prescriptions

	Total	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Total # of Combination Red Flagged Prescriptions	175,254	8,647	10,026	11,904	13,562	16,286	18,256	18,302	17,436	15,508	12,087	11,036	8,717	7,542	5,945
Total # of Combination Red Flagged Opioid Prescriptions	141,651	6,439	7,637	9,131	10,416	12,838	14,749	15,056	14,433	12,901	10,092	9,267	7,330	6,317	5,045
Red Flag Computation 37	247	4	0	7	30	50	74	39	4	4	1	4	10	18	2
	0.17%	0.06%	0.00%	0.08%	0.29%	0.39%	0.50%	0.26%	0.03%	0.03%	0.01%	0.04%	0.14%	0.28%	0.04%
Red Flag Computation 38	70,124	4,580	4,905	5,961	6,631	7,238	7,364	6,865	6,328	5,475	4,091	3,539	2,789	2,426	1,932
	40.01%	52.97%	48.92%	50.08%	48.89%	44.44%	40.34%	37.51%	36.29%	35.30%	33.85%	32.07%	31.99%	32.17%	32.50%
Red Flag Computation 39	5,680	394	394	510	621	585	616	582	487	439	349	284	218	126	75
	3.24%	4.56%	3.93%	4.28%	4.58%	3.59%	3.37%	3.18%	2.79%	2.83%	2.89%	2.57%	2.50%	1.67%	1.26%
Red Flag Computation 40	1,739	142	169	171	223	163	184	145	152	159	93	67	25	18	28
	1.23%	2.21%	2.21%	1.87%	2.14%	1.27%	1.25%	0.96%	1.05%	1.23%	0.92%	0.72%	0.34%	0.28%	0.56%
Red Flag Computation 41	24,719	1,684	1,866	2,116	2,643	2,973	2,834	2,584	2,146	1,748	1,000	979	825	787	534
	14.10%	19.47%	18.61%	17.78%	19.49%	18.25%	15.52%	14.12%	12.31%	11.27%	8.27%	8.87%	9.46%	10.43%	8.98%
Red Flag Computation 42	9,939	761	797	737	1,045	1,195	1,076	903	878	820	547	468	268	212	232
	5.67%	8.80%	7.95%	6.19%	7.71%	7.34%	5.89%	4.93%	5.04%	5.29%	4.53%	4.24%	3.07%	2.81%	3.90%
Red Flag Computation 43	535	44	68	60	97	110	55	40	32	21	4	1	1	0	2
	0.31%	0.51%	0.68%	0.50%	0.72%	0.68%	0.30%	0.22%	0.18%	0.14%	0.03%	0.01%	0.01%	0.00%	0.03%
Flagged for Any of the Red Flag Computation 1-43	175,254	8,647	10,026	11,904	13,562	16,286	18,256	18,302	17,436	15,508	12,087	11,036	8,717	7,542	5,945
	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%

Notes

Defendant	Date Range
CVS	January 1, 2006 to November 29, 2019
Giant Eagle/HBC	January 1, 2006 to December 3, 2019
Rite Aid	January 1, 2006 to November 19, 2019
Walgreens	January 3, 2006 to January 3, 2020
Wal-Mart	January 2, 2006 to April 25, 2018

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CVS Combination Red Flagged Prescriptions Summary
Lake County and Trumbull County, OH
Red Flag Computation 1-43, in Dosage Units

	Total	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Total Dosage Units of Combination Red Flagged Prescriptions	12,569,759	548,172	705,018	868,588	1,020,162	1,263,632	1,474,643	1,415,786	1,278,104	1,075,190	760,928	731,335	581,728	487,479	358,994
Total Dosage Units of Combination Red Flagged Opioid Prescriptions	10,596,711	418,865	564,042	704,679	826,248	1,047,945	1,255,463	1,221,664	1,111,154	933,794	651,126	631,233	503,549	416,474	310,475
Red Flag Computation 1	584,330	27,852	43,548	49,220	41,453	59,444	80,863	82,571	66,186	46,101	24,823	23,407	19,138	11,695	8,029
	5.51%	6.65%	7.72%	6.98%	5.02%	5.67%	6.44%	6.76%	5.96%	4.94%	3.81%	3.71%	3.80%	2.81%	2.59%
Red Flag Computation 2	3,446,497	96,508	123,376	138,223	139,341	266,356	409,632	415,549	392,097	318,786	267,516	282,874	252,573	215,784	127,882
	32.52%	23.04%	21.87%	19.62%	16.86%	25.42%	32.63%	34.01%	35.29%	34.14%	41.09%	44.81%	50.16%	51.81%	41.19%
Red Flag Computation 3	1,387,025	68,277	90,389	124,016	142,956	152,197	161,880	148,413	133,469	113,789	76,045	74,050	44,324	33,743	23,477
	13.09%	16.30%	16.03%	17.60%	17.30%	14.52%	12.89%	12.15%	12.01%	12.19%	11.68%	11.73%	8.80%	8.10%	7.56%
Red Flag Computation 4	817,633	9,144	27,360	59,773	70,345	80,205	98,964	101,155	80,624	84,824	64,836	50,889	41,269	23,512	24,733
	7.72%	2.18%	4.85%	8.48%	8.51%	7.65%	7.88%	8.28%	7.26%	9.08%	9.96%	8.06%	8.20%	5.65%	7.97%
Red Flag Computation 5	1,785,757	104,319	127,047	140,174	189,907	213,675	212,629	182,353	162,539	129,923	99,539	78,879	61,524	51,182	32,067
	14.21%	19.03%	18.02%	16.14%	18.62%	16.91%	14.42%	12.88%	12.72%	12.08%	13.08%	10.79%	10.58%	10.50%	8.93%
Red Flag Computation 6	477,858	33,084	32,228	41,401	49,221	52,622	52,013	51,827	38,839	31,523	29,912	26,114	18,549	12,955	7,570
	3.80%	6.04%	4.57%	4.77%	4.82%	4.16%	3.53%	3.66%	3.04%	2.93%	3.93%	3.57%	3.19%	2.66%	2.11%
Red Flag Computation 7	6,000,730	317,749	377,199	477,046	557,031	602,712	665,687	612,952	542,485	477,038	371,112	346,296	270,231	228,296	154,896
	47.74%	57.97%	53.50%	54.92%	54.60%	47.70%	45.14%	43.29%	42.44%	44.37%	48.77%	47.35%	46.45%	46.83%	43.15%
Red Flag Computation 8	3,655,264	225,606	242,126	311,122	341,828	373,998	390,357	362,709	312,344	273,824	212,073	198,270	162,398	146,898	101,711
	29.08%	41.16%	34.34%	35.82%	33.51%	29.60%	26.47%	25.62%	24.44%	25.47%	27.87%	27.11%	27.92%	30.13%	28.33%
Red Flag Computation 9	430,482	15,198	16,704	24,302	35,341	47,203	55,418	46,587	45,391	40,904	37,286	30,361	13,554	6,428	15,805
	4.06%	3.63%	2.96%	3.45%	4.28%	4.50%	4.41%	3.81%	4.09%	4.38%	5.73%	4.81%	2.69%	1.54%	5.09%
Red Flag Computation 10	534,762	12,026	13,680	23,209	43,291	52,714	75,863	53,870	41,219	34,768	25,327	19,242	13,572	12,677	113,304
	5.05%	2.87%	2.43%	3.29%	5.24%	5.03%	6.04%	4.41%	3.71%	3.72%	3.89%	3.05%	2.70%	3.04%	36.49%
Red Flag Computation 11	448,330	12,026	13,680	23,209	43,291	52,714	75,863	53,870	41,219	34,768	25,327	19,242	13,572	12,677	26,872
	4.23%	2.87%	2.43%	3.29%	5.24%	5.03%	6.04%	4.41%	3.71%	3.72%	3.89%	3.05%	2.70%	3.04%	8.66%
Red Flag Computation 12	1,491,791	20,877	77,956	95,508	124,409	190,477	238,306	252,932	204,564	146,307	38,338	37,450	23,677	27,895	13,095
	14.08%	4.98%	13.82%	13.55%	15.06%	18.18%	18.98%	20.70%	18.41%	15.67%	5.89%	5.93%	4.70%	6.70%	4.22%
Red Flag Computation 13	1,083,247	18,651	50,964	69,041	95,356	146,226	194,710	188,831	146,774	94,636	22,009	19,192	17,259	13,066	6,532
	10.22%	4.45%	9.04%	9.80%	11.54%	13.95%	15.51%	15.46%	13.21%	10.13%	3.38%	3.04%	3.43%	3.14%	2.10%
Red Flag Computation 14	233,722	13,985	21,244	27,070	30,337	32,397	40,221	29,657	22,393	16,418	0	0	0	0	0
	2.21%	3.34%	3.77%	3.84%	3.67%	3.09%	3.20%	2.43%	2.02%	1.76%	0.00%	0.00%	0.00%	0.00%	0.00%
Red Flag Computation 15	3,900,716	145,280	213,115	280,604	349,052	432,242	510,471	454,217	403,635	340,184	210,658	209,444	150,335	113,495	87,984
	36.81%	34.68%	37.78%	39.82%	42.25%	41.25%	40.66%	37.18%	36.33%	36.43%	32.35%	33.18%	29.86%	27.25%	28.34%
Red Flag Computation 16	747,060	38,407	44,776	57,086	70,044	94,610	96,710	83,550	80,165	49,418	26,148	19,561	20,964	30,847	34,774
	7.05%	9.17%	7.94%	8.10%	8.48%	9.03%	7.70%	6.84%	7.21%	5.29%	4.02%	3.10%	4.16%	7.41%	11.20%
Red Flag Computation 17	2,258,907	70,421	86,783	99,868	99,604	166,936	281,865	272,182	245,861	191,991	155,898	175,016	168,007	152,034	92,441
	17.97%	12.85%	12.31%	11.50%	9.76%	13.21%	19.11%	19.22%	19.24%	17.86%	20.49%	23.93%	28.88%	31.19%	25.75%
Red Flag Computation 18	544,378	21,868	28,433	31,057	39,232	48,758	57,230	58,189	61,031	52,984	46,936	38,380	24,662	20,289	15,329
	5.14%	5.22%	5.04%	4.41%	4.75%	4.65%	4.56%	4.76%	5.49%	5.67%	7.21%	6.08%	4.90%	4.87%	4.94%

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CVS Combination Red Flagged Prescriptions Summary
Lake County and Trumbull County, OH
Red Flag Computation 1-43, in Dosage Units

	Total	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Total Dosage Units of Combination Red Flagged Prescriptions	12,569,759	548,172	705,018	868,588	1,020,162	1,263,632	1,474,643	1,415,786	1,278,104	1,075,190	760,928	731,335	581,728	487,479	358,994
Total Dosage Units of Combination Red Flagged Opioid Prescriptions	10,596,711	418,865	564,042	704,679	826,248	1,047,945	1,255,463	1,221,664	1,111,154	933,794	651,126	631,233	503,549	416,474	310,475
Red Flag Computation 19	238,742	7,827	13,169	14,286	19,480	22,854	25,306	22,914	28,101	24,605	20,271	15,762	9,432	7,088	7,647
	2.25%	1.87%	2.33%	2.03%	2.36%	2.18%	2.02%	1.88%	2.53%	2.63%	3.11%	2.50%	1.87%	1.70%	2.46%
Red Flag Computation 20	622,990	33,477	40,935	55,240	66,597	70,117	71,431	58,223	55,562	49,328	39,106	36,521	17,261	15,532	13,660
	5.88%	7.99%	7.26%	7.84%	8.06%	6.69%	5.69%	4.77%	5.00%	5.28%	6.01%	5.79%	3.43%	3.73%	4.40%
Red Flag Computation 21	535,509	23,378	30,138	37,035	45,545	52,619	57,414	53,296	65,488	53,217	37,007	36,135	18,234	13,890	12,113
	5.05%	5.58%	5.34%	5.26%	5.51%	5.02%	4.57%	4.36%	5.89%	5.70%	5.68%	5.72%	3.62%	3.34%	3.90%
Red Flag Computation 22	13,567	105	40	1,026	787	1,279	1,253	1,563	2,653	1,273	1,517	708	486	244	633
	0.13%	0.03%	0.01%	0.15%	0.10%	0.12%	0.10%	0.13%	0.24%	0.14%	0.23%	0.11%	0.10%	0.06%	0.20%
Red Flag Computation 23	22,141	229	232	1,667	1,176	1,743	2,624	1,865	3,861	1,626	2,553	1,992	1,702	68	803
	0.21%	0.05%	0.04%	0.24%	0.14%	0.17%	0.21%	0.15%	0.35%	0.17%	0.39%	0.32%	0.34%	0.02%	0.26%
Red Flag Computation 24	996,313	11,078	36,876	71,809	89,483	100,738	113,735	123,495	103,944	103,973	71,187	56,789	47,932	32,919	32,355
	9.40%	2.64%	6.54%	10.19%	10.83%	9.61%	9.06%	10.11%	9.35%	11.13%	10.93%	9.00%	9.52%	7.90%	10.42%
Red Flag Computation 25	1,131,017	12,062	55,639	69,977	95,167	147,740	194,987	204,276	159,022	107,380	23,651	22,119	13,983	16,281	8,733
	10.67%	2.88%	9.86%	9.93%	11.52%	14.10%	15.53%	16.72%	14.31%	11.50%	3.63%	3.50%	2.78%	3.91%	2.81%
Red Flag Computation 26	966,523	14,237	44,764	61,215	82,038	128,673	176,294	172,459	134,727	86,025	18,262	17,375	14,149	10,776	5,529
	9.12%	3.40%	7.94%	8.69%	9.93%	12.28%	14.04%	14.12%	12.12%	9.21%	2.80%	2.75%	2.81%	2.59%	1.78%
Red Flag Computation 27	55	0	40	0	0	15	0	0	0	0	0	0	0	0	0
	0.00%	0.00%	0.01%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Red Flag Computation 28	11,394	0	944	504	1,494	1,248	876	3,234	1,906	1,164	0	0	0	0	24
	0.11%	0.00%	0.17%	0.07%	0.18%	0.12%	0.07%	0.26%	0.17%	0.12%	0.00%	0.00%	0.00%	0.00%	0.01%
Red Flag Computation 29	171,357	10,493	13,778	18,679	20,380	22,787	30,919	22,988	18,124	13,209	0	0	0	0	0
	1.62%	2.51%	2.44%	2.65%	2.47%	2.17%	2.46%	1.88%	1.63%	1.41%	0.00%	0.00%	0.00%	0.00%	0.00%
Red Flag Computation 30	667,050	36,897	49,523	62,180	66,569	83,773	108,230	83,494	69,589	51,244	21,720	12,681	8,860	6,061	6,229
	6.29%	8.81%	8.78%	8.82%	8.06%	7.99%	8.62%	6.83%	6.26%	5.49%	3.34%	2.01%	1.76%	1.46%	2.01%
Red Flag Computation 31	884,771	14,708	42,305	46,231	61,392	99,650	120,237	110,361	105,578	91,493	47,777	47,719	37,339	28,637	31,344
	8.35%	3.51%	7.50%	6.56%	7.43%	9.51%	9.58%	9.03%	9.50%	9.80%	7.34%	7.56%	7.42%	6.88%	10.10%
Red Flag Computation 32	92,245	6,212	6,606	4,990	8,850	14,817	8,500	13,914	10,502	9,570	4,620	1,458	340	212	1,654
	0.87%	1.48%	1.17%	0.71%	1.07%	1.41%	0.68%	1.14%	0.95%	1.02%	0.71%	0.23%	0.07%	0.05%	0.53%
Red Flag Computation 33	124,421	6,077	13,633	11,841	14,463	20,636	16,031	9,150	8,686	7,430	3,809	5,963	1,725	2,320	2,657
	1.17%	1.45%	2.42%	1.68%	1.75%	1.97%	1.28%	0.75%	0.78%	0.80%	0.58%	0.94%	0.34%	0.56%	0.86%
Red Flag Computation 34	108,642	180	240	660	1,498	5,131	6,810	8,328	9,305	8,946	14,145	15,264	12,499	11,627	14,009
	1.03%	0.04%	0.04%	0.09%	0.18%	0.49%	0.54%	0.68%	0.84%	0.96%	2.17%	2.42%	2.48%	2.79%	4.51%
Red Flag Computation 35	1,051,361	51,085	65,279	82,318	103,592	107,122	102,257	100,925	83,997	87,824	74,461	78,222	49,665	35,597	29,017
	9.92%	12.20%	11.57%	11.68%	12.54%	10.22%	8.14%	8.26%	7.56%	9.41%	11.44%	12.39%	9.86%	8.55%	9.35%
Red Flag Computation 36	1,987,227	35,276	49,103	43,608	38,599	141,662	265,033	276,627	240,651	186,757	156,260	175,442	164,191	142,355	71,663
	18.75%	8.42%	8.71%	6.19%	4.67%	13.52%	21.11%	22.64%	21.66%	20.00%	24.00%	27.79%	32.61%	34.18%	23.08%

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CVS Combination Red Flagged Prescriptions Summary
Lake County and Trumbull County, OH
Red Flag Computation 1-43, in Dosage Units

	Total	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Total Dosage Units of Combination Red Flagged Prescriptions	12,569,759	548,172	705,018	868,588	1,020,162	1,263,632	1,474,643	1,415,786	1,278,104	1,075,190	760,928	731,335	581,728	487,479	358,994
Total Dosage Units of Combination Red Flagged Opioid Prescriptions	10,596,711	418,865	564,042	704,679	826,248	1,047,945	1,255,463	1,221,664	1,111,154	933,794	651,126	631,233	503,549	416,474	310,475
Red Flag Computation 37	51,983	450	0	2,430	10,446	13,232	16,785	7,015	230	140	40	150	375	630	60
	0.49%	0.11%	0.00%	0.34%	1.26%	1.26%	1.34%	0.57%	0.02%	0.01%	0.01%	0.02%	0.07%	0.15%	0.02%
Red Flag Computation 38	5,024,986	307,078	345,625	433,214	489,463	547,805	568,413	517,126	445,958	372,698	268,623	241,957	191,571	167,529	127,926
	39.98%	56.02%	49.02%	49.88%	47.98%	43.35%	38.55%	36.53%	34.89%	34.66%	35.30%	33.08%	32.93%	34.37%	35.63%
Red Flag Computation 39	442,092	31,646	30,572	40,076	47,571	47,557	47,482	46,922	35,672	28,976	26,699	24,579	17,353	10,637	6,350
	3.52%	5.77%	4.34%	4.61%	4.66%	3.76%	3.22%	3.31%	2.79%	2.69%	3.51%	3.36%	2.98%	2.18%	1.77%
Red Flag Computation 40	127,152	10,381	10,860	11,487	17,748	13,191	14,116	9,555	11,760	11,369	7,498	5,663	1,122	574	1,828
	1.20%	2.48%	1.93%	1.63%	2.15%	1.26%	1.12%	0.78%	1.06%	1.22%	1.15%	0.90%	0.22%	0.14%	0.59%
Red Flag Computation 41	1,983,899	120,652	149,291	170,857	209,338	235,468	235,807	216,534	167,218	129,827	79,240	79,478	72,366	69,986	47,837
	15.78%	22.01%	21.18%	19.67%	20.52%	18.63%	15.99%	15.29%	13.08%	12.07%	10.41%	10.87%	12.44%	14.36%	13.33%
Red Flag Computation 42	616,775	42,268	45,692	45,519	66,191	72,797	71,293	57,279	53,717	46,792	34,946	29,715	21,345	14,780	14,441
	4.91%	7.71%	6.48%	5.24%	6.49%	5.76%	4.83%	4.05%	4.20%	4.35%	4.59%	4.06%	3.67%	3.03%	4.02%
Red Flag Computation 43	28,299	1,942	2,449	2,990	4,440	5,723	4,538	2,521	1,835	1,377	200	60	14	0	210
	0.23%	0.35%	0.35%	0.34%	0.44%	0.45%	0.31%	0.18%	0.14%	0.13%	0.03%	0.01%	0.00%	0.00%	0.06%
Flagged for Any of the Red Flag Computation 1-43	12,569,759	548,172	705,018	868,588	1,020,162	1,263,632	1,474,643	1,415,786	1,278,104	1,075,190	760,928	731,335	581,728	487,479	358,994
	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%

Notes

Defendant	Date Range
CVS	January 1, 2006 to November 29, 2019
Giant Eagle/HBC	January 1, 2006 to December 3, 2019
Rite Aid	January 1, 2006 to November 19, 2019
Walgreens	January 3, 2006 to January 3, 2020
Wal-Mart	January 2, 2006 to April 25, 2018

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CVS Combination Red Flagged Prescriptions Summary
Lake County and Trumbull County, OH
Red Flag Computation 1-43, in MME

	Total	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Total MME of Combination Red Flagged Prescriptions	156,829,233	6,210,900	7,928,092	10,152,692	13,103,444	16,430,062	20,281,224	17,636,064	16,340,751	13,221,301	9,611,755	8,791,341	7,134,064	5,611,529	4,376,014
Total MME of Combination Red Flagged Opioid Prescriptions	156,829,233	6,210,900	7,928,092	10,152,692	13,103,444	16,430,062	20,281,224	17,636,064	16,340,751	13,221,301	9,611,755	8,791,341	7,134,064	5,611,529	4,376,014
Red Flag Computation 1	10,133,790	326,458	520,449	642,384	615,754	1,328,833	1,672,783	1,534,670	1,327,110	836,941	476,966	365,400	250,565	136,495	98,983
	6.46%	5.26%	6.56%	6.33%	4.70%	8.09%	8.25%	8.70%	8.12%	6.33%	4.96%	4.16%	3.51%	2.43%	2.26%
Red Flag Computation 2	53,160,623	1,451,269	1,812,669	2,197,372	2,460,912	5,204,519	8,163,425	6,391,625	6,147,827	4,356,081	3,568,582	3,655,471	3,336,084	2,761,929	1,652,860
	33.90%	23.37%	22.86%	21.64%	18.78%	31.68%	40.25%	36.24%	37.62%	32.95%	37.13%	41.58%	46.76%	49.22%	37.77%
Red Flag Computation 3	22,651,702	1,117,202	1,532,388	2,176,330	2,526,250	2,732,026	2,824,364	2,248,276	1,978,884	1,780,431	1,154,617	1,125,360	633,149	450,379	372,047
	14.44%	17.99%	19.33%	21.44%	19.28%	16.63%	13.93%	12.75%	12.11%	13.47%	12.01%	12.80%	8.88%	8.03%	8.50%
Red Flag Computation 4	14,655,996	193,633	403,414	942,653	1,331,268	1,346,670	1,888,801	1,711,821	1,598,883	1,670,375	1,109,722	816,743	747,662	428,016	466,337
	9.35%	3.12%	5.09%	9.28%	10.16%	8.20%	9.31%	9.71%	9.78%	12.63%	11.55%	9.29%	10.48%	7.63%	10.66%
Red Flag Computation 5	18,424,277	944,125	1,053,679	1,494,772	2,037,521	2,437,235	2,390,771	1,931,655	1,748,352	1,227,659	1,003,278	758,269	581,609	511,478	303,876
	11.75%	15.20%	13.29%	14.72%	15.55%	14.83%	11.79%	10.95%	10.70%	9.29%	10.44%	8.63%	8.15%	9.11%	6.94%
Red Flag Computation 6	3,462,920	250,360	156,138	294,665	315,042	418,177	369,315	324,771	300,515	215,650	288,548	211,056	138,644	109,850	70,190
	2.21%	4.03%	1.97%	2.90%	2.40%	2.55%	1.82%	1.84%	1.84%	1.63%	3.00%	2.40%	1.94%	1.96%	1.60%
Red Flag Computation 7	65,068,246	3,107,704	3,805,750	5,146,476	6,239,872	6,482,841	7,602,147	6,656,549	6,077,868	5,235,025	4,300,688	3,632,275	2,754,218	2,386,293	1,640,540
	41.49%	50.04%	48.00%	50.69%	47.62%	39.46%	37.48%	37.74%	37.19%	39.60%	44.74%	41.32%	38.61%	42.52%	37.49%
Red Flag Computation 8	30,018,118	1,838,228	1,850,237	2,561,409	2,850,773	3,067,279	3,304,558	2,899,018	2,499,287	2,104,637	1,966,618	1,521,231	1,393,798	1,290,227	870,818
	19.14%	29.60%	23.34%	25.23%	21.76%	18.67%	16.29%	16.44%	15.29%	15.92%	20.46%	17.30%	19.54%	22.99%	19.90%
Red Flag Computation 9	6,931,029	164,910	189,093	306,996	508,492	788,290	962,472	848,459	766,652	693,103	637,414	443,888	250,916	140,947	229,401
	4.42%	2.66%	2.39%	3.02%	3.88%	4.80%	4.75%	4.81%	4.69%	5.24%	6.63%	5.05%	3.52%	2.51%	5.24%
Red Flag Computation 10	32,722,834	1,315,800	1,571,359	2,172,130	3,551,130	3,949,480	5,348,275	3,590,060	3,001,094	1,850,424	1,434,331	1,058,642	727,575	514,455	2,638,079
	20.87%	21.19%	19.82%	21.39%	27.10%	24.04%	26.37%	20.36%	18.37%	14.00%	14.92%	12.04%	10.20%	9.17%	60.28%
Red Flag Computation 11	31,255,924	1,315,800	1,571,359	2,172,130	3,551,130	3,949,480	5,348,275	3,590,060	3,001,094	1,850,424	1,434,331	1,058,642	727,575	514,455	1,171,170
	19.93%	21.19%	19.82%	21.39%	27.10%	24.04%	26.37%	20.36%	18.37%	14.00%	14.92%	12.04%	10.20%	9.17%	26.76%
Red Flag Computation 12	12,051,870	159,503	578,008	714,915	953,088	1,525,040	1,991,943	2,101,463	1,647,365	1,181,180	332,838	332,518	184,408	238,423	111,183
	7.68%	2.57%	7.29%	7.04%	7.27%	9.28%	9.82%	11.92%	10.08%	8.93%	3.46%	3.78%	2.58%	4.25%	2.54%
Red Flag Computation 13	8,720,738	139,188	389,323	521,313	749,430	1,148,113	1,587,870	1,498,145	1,165,675	775,873	195,630	198,518	165,810	121,890	63,963
	5.56%	2.24%	4.91%	5.13%	5.72%	6.99%	7.83%	8.49%	7.13%	5.87%	2.04%	2.26%	2.32%	2.17%	1.46%
Red Flag Computation 14	1,905,356	118,613	192,298	243,575	272,488	295,105	288,145	208,253	164,483	122,398	0	0	0	0	0
	1.21%	1.91%	2.43%	2.40%	2.08%	1.80%	1.42%	1.18%	1.01%	0.93%	0.00%	0.00%	0.00%	0.00%	0.00%
Red Flag Computation 15	81,384,756	3,329,179	4,388,981	5,980,605	7,619,300	9,224,075	11,075,016	8,936,961	8,230,837	6,830,164	4,567,257	4,043,284	3,140,619	2,222,566	1,795,913
	51.89%	53.60%	55.36%	58.91%	58.15%	56.14%	54.61%	50.67%	50.37%	51.66%	47.52%	45.99%	44.02%	39.61%	41.04%
Red Flag Computation 16	10,130,564	399,257	460,226	645,261	1,006,308	1,472,168	1,583,357	1,012,152	1,029,890	747,787	333,328	251,652	282,418	414,246	492,515
	6.46%	6.43%	5.81%	6.36%	7.68%	8.96%	7.81%	5.74%	6.30%	5.66%	3.47%	2.86%	3.96%	7.38%	11.25%
Red Flag Computation 17	34,959,694	1,107,829	1,362,716	1,671,690	1,807,492	3,478,586	5,525,975	4,140,835	3,916,124	2,662,716	2,040,678	2,206,410	2,113,864	1,833,136	1,091,644
	22.29%	17.84%	17.19%	16.47%	13.79%	21.17%	27.25%	23.48%	23.97%	20.14%	21.23%	25.10%	29.63%	32.67%	24.95%
Red Flag Computation 18	6,560,730	233,298	367,648	431,030	448,186	614,357	776,242	692,428	754,727	634,000	521,255	400,747	301,053	220,176	165,584
	4.18%	3.76%	4.64%	4.25%	3.42%	3.74%	3.83%	3.93%	4.62%	4.80%	5.42%	4.56%	4.22%	3.92%	3.78%

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CVS Combination Red Flagged Prescriptions Summary
Lake County and Trumbull County, OH
Red Flag Computation 1-43, in MME

	Total	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Total MME of Combination Red Flagged Prescriptions	156,829,233	6,210,900	7,928,092	10,152,692	13,103,444	16,430,062	20,281,224	17,636,064	16,340,751	13,221,301	9,611,755	8,791,341	7,134,064	5,611,529	4,376,014
Total MME of Combination Red Flagged Opioid Prescriptions	156,829,233	6,210,900	7,928,092	10,152,692	13,103,444	16,430,062	20,281,224	17,636,064	16,340,751	13,221,301	9,611,755	8,791,341	7,134,064	5,611,529	4,376,014
Red Flag Computation 19	3,269,871	68,849	189,068	240,402	274,081	350,028	443,106	340,323	329,913	295,386	263,368	203,841	100,783	82,190	88,535
	2.08%	1.11%	2.38%	2.37%	2.09%	2.13%	2.18%	1.93%	2.02%	2.23%	2.74%	2.32%	1.41%	1.46%	2.02%
Red Flag Computation 20	9,288,416	459,580	687,609	940,084	1,047,397	1,162,946	1,099,478	890,414	713,938	636,032	566,710	532,152	193,776	191,392	166,910
	5.92%	7.40%	8.67%	9.26%	7.99%	7.08%	5.42%	5.05%	4.37%	4.81%	5.90%	6.05%	2.72%	3.41%	3.81%
Red Flag Computation 21	7,727,521	280,816	537,646	517,376	615,931	817,269	845,231	810,562	931,596	773,752	536,007	500,614	230,290	177,412	153,020
	4.93%	4.52%	6.78%	5.10%	4.70%	4.97%	4.17%	4.60%	5.70%	5.85%	5.58%	5.69%	3.23%	3.16%	3.50%
Red Flag Computation 22	220,836	800	8,300	15,865	10,195	14,435	18,943	28,453	60,518	11,035	19,860	18,208	4,158	2,770	7,299
	0.14%	0.01%	0.10%	0.16%	0.08%	0.09%	0.09%	0.16%	0.37%	0.08%	0.21%	0.21%	0.06%	0.05%	0.17%
Red Flag Computation 23	442,589	1,645	10,168	26,790	15,390	21,890	72,865	41,633	108,588	23,938	44,212	39,598	26,565	480	8,829
	0.28%	0.03%	0.13%	0.26%	0.12%	0.13%	0.36%	0.24%	0.66%	0.18%	0.46%	0.45%	0.37%	0.01%	0.20%
Red Flag Computation 24	16,866,826	209,216	475,610	994,209	1,437,031	1,569,187	1,990,262	2,097,799	2,025,668	1,886,237	1,196,306	921,962	918,853	540,818	603,669
	10.75%	3.37%	6.00%	9.79%	10.97%	9.55%	9.81%	11.89%	12.40%	14.27%	12.45%	10.49%	12.88%	9.64%	13.79%
Red Flag Computation 25	9,001,965	94,315	414,953	526,458	725,190	1,160,898	1,585,330	1,658,428	1,259,420	858,558	204,005	196,083	109,363	133,800	75,168
	5.74%	1.52%	5.23%	5.19%	5.53%	7.07%	7.82%	9.40%	7.71%	6.49%	2.12%	2.23%	1.53%	2.38%	1.72%
Red Flag Computation 26	7,744,498	107,725	341,523	463,130	639,370	1,008,538	1,426,843	1,360,395	1,063,693	702,380	161,410	182,130	135,705	98,370	53,288
	4.94%	1.73%	4.31%	4.56%	4.88%	6.14%	7.04%	7.71%	6.51%	5.31%	1.68%	2.07%	1.90%	1.75%	1.22%
Red Flag Computation 27	313	0	200	0	0	113	0	0	0	0	0	0	0	0	0
	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Red Flag Computation 28	116,775	0	6,980	3,180	14,940	14,110	22,905	29,925	15,885	8,730	0	0	0	0	120
	0.07%	0.00%	0.09%	0.03%	0.11%	0.09%	0.11%	0.17%	0.10%	0.07%	0.00%	0.00%	0.00%	0.00%	0.00%
Red Flag Computation 29	1,365,092	88,808	122,455	163,855	176,465	197,048	225,040	162,297	132,433	96,693	0	0	0	0	0
	0.87%	1.43%	1.54%	1.61%	1.35%	1.20%	1.11%	0.92%	0.81%	0.73%	0.00%	0.00%	0.00%	0.00%	0.00%
Red Flag Computation 30	9,296,862	523,442	667,212	880,480	1,051,071	1,130,726	1,565,820	1,126,905	907,483	649,738	307,995	193,246	117,705	86,446	88,594
	5.93%	8.43%	8.42%	8.67%	8.02%	6.88%	7.72%	6.39%	5.55%	4.91%	3.20%	2.20%	1.65%	1.54%	2.02%
Red Flag Computation 31	12,765,199	123,495	526,978	626,496	921,948	1,418,833	1,711,424	1,502,884	1,636,175	1,387,438	830,070	732,208	463,763	404,700	478,790
	8.14%	1.99%	6.65%	6.17%	7.04%	8.64%	8.44%	8.52%	10.01%	10.49%	8.64%	8.33%	6.50%	7.21%	10.94%
Red Flag Computation 32	1,665,748	61,212	94,477	83,035	139,005	280,183	174,778	260,249	176,873	219,890	112,095	28,303	4,240	2,610	28,800
	1.06%	0.99%	1.19%	0.82%	1.06%	1.71%	0.86%	1.48%	1.08%	1.66%	1.17%	0.32%	0.06%	0.05%	0.66%
Red Flag Computation 33	4,302,596	172,600	454,927	490,155	550,732	816,867	642,931	293,443	284,568	189,054	94,605	165,268	34,207	52,095	61,145
	2.74%	2.78%	5.74%	4.83%	4.20%	4.97%	3.17%	1.66%	1.74%	1.43%	0.98%	1.88%	0.48%	0.93%	1.40%
Red Flag Computation 34	2,070,453	3,150	3,000	16,650	67,080	162,016	194,413	227,046	226,365	230,683	226,980	209,293	157,870	164,933	180,975
	1.32%	0.05%	0.04%	0.16%	0.51%	0.99%	0.96%	1.29%	1.39%	1.74%	2.36%	2.38%	2.21%	2.94%	4.14%
Red Flag Computation 35	21,076,669	1,019,754	1,300,764	1,547,711	2,375,413	2,358,195	2,443,232	2,122,408	1,668,176	1,659,422	1,368,330	1,354,781	838,446	567,171	452,868
	13.44%	16.42%	16.41%	15.24%	18.13%	14.35%	12.05%	12.03%	10.21%	12.55%	14.24%	15.41%	11.75%	10.11%	10.35%
Red Flag Computation 36	29,879,088	432,065	538,111	483,350	632,929	2,694,217	5,324,643	4,142,678	3,900,588	2,508,932	2,053,476	2,264,024	2,125,061	1,815,827	963,187
	19.05%	6.96%	6.79%	4.76%	4.83%	16.40%	26.25%	23.49%	23.87%	18.98%	21.36%	25.75%	29.79%	32.36%	22.01%

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CVS Combination Red Flagged Prescriptions Summary
Lake County and Trumbull County, OH
Red Flag Computation 1-43, in MME

	Total	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Total MME of Combination Red Flagged Prescriptions	156,829,233	6,210,900	7,928,092	10,152,692	13,103,444	16,430,062	20,281,224	17,636,064	16,340,751	13,221,301	9,611,755	8,791,341	7,134,064	5,611,529	4,376,014
Total MME of Combination Red Flagged Opioid Prescriptions	156,829,233	6,210,900	7,928,092	10,152,692	13,103,444	16,430,062	20,281,224	17,636,064	16,340,751	13,221,301	9,611,755	8,791,341	7,134,064	5,611,529	4,376,014
Red Flag Computation 37	1,406,360	6,750	0	72,900	303,455	375,420	449,285	190,425	1,150	700	200	750	1,875	3,150	300
	0.90%	0.11%	0.00%	0.72%	2.32%	2.28%	2.22%	1.08%	0.01%	0.01%	0.00%	0.01%	0.03%	0.06%	0.01%
Red Flag Computation 38	43,706,441	2,605,880	2,776,716	3,681,492	4,273,877	5,013,126	5,327,504	4,455,726	3,840,895	3,097,491	2,463,634	1,938,824	1,692,195	1,429,770	1,109,313
	27.87%	41.96%	35.02%	36.26%	32.62%	30.51%	26.27%	25.26%	23.51%	23.43%	25.63%	22.05%	23.72%	25.48%	25.35%
Red Flag Computation 39	3,132,489	236,300	146,253	286,215	306,042	367,477	313,380	282,503	264,125	193,285	251,900	199,356	128,174	95,090	62,390
	2.00%	3.80%	1.84%	2.82%	2.34%	2.24%	1.55%	1.60%	1.62%	1.46%	2.62%	2.27%	1.80%	1.69%	1.43%
Red Flag Computation 40	4,393,169	319,670	363,390	423,238	755,293	495,168	495,994	406,938	446,748	309,347	191,484	92,314	37,581	16,653	39,354
	2.80%	5.15%	4.58%	4.17%	5.76%	3.01%	2.45%	2.31%	2.73%	2.34%	1.99%	1.05%	0.53%	0.30%	0.90%
Red Flag Computation 41	18,410,750	1,082,439	1,192,697	1,494,288	1,919,332	2,373,259	2,274,282	2,075,430	1,484,914	1,152,423	856,760	657,789	701,471	673,211	472,457
	11.74%	17.43%	15.04%	14.72%	14.65%	14.44%	11.21%	11.77%	9.09%	8.72%	8.91%	7.48%	9.83%	12.00%	10.80%
Red Flag Computation 42	7,502,614	457,646	446,491	577,848	871,820	917,120	910,848	648,967	691,040	543,865	414,308	386,624	236,308	195,623	204,108
	4.78%	7.37%	5.63%	5.69%	6.65%	5.58%	4.49%	3.68%	4.23%	4.11%	4.31%	4.40%	3.31%	3.49%	4.66%
Red Flag Computation 43	257,725	15,545	26,270	16,348	25,256	52,746	56,990	26,060	14,260	20,170	825	450	105	0	2,700
	0.16%	0.25%	0.33%	0.16%	0.19%	0.32%	0.28%	0.15%	0.09%	0.15%	0.01%	0.01%	0.00%	0.00%	0.06%
Flagged for Any of the Red Flag Computation 1-43	156,829,233	6,210,900	7,928,092	10,152,692	13,103,444	16,430,062	20,281,224	17,636,064	16,340,751	13,221,301	9,611,755	8,791,341	7,134,064	5,611,529	4,376,014
	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%

Notes

Defendant	Date Range
CVS	January 1, 2006 to November 29, 2019
Giant Eagle/HBC	January 1, 2006 to December 3, 2019
Rite Aid	January 1, 2006 to November 19, 2019
Walgreens	January 3, 2006 to January 3, 2020
Wal-Mart	January 2, 2006 to April 25, 2018

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CVS Combination Red Flagged Prescriptions Summary
Lake County, OH
Red Flag Computation 1-43, in # of Prescriptions

	Total	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Total # of Combination Red Flagged Prescriptions	107,190	3,681	5,031	6,290	7,834	9,689	11,822	12,538	12,144	10,311	8,153	6,955	5,211	4,074	3,457
Total # of Combination Red Flagged Opioid Prescriptions	91,066	2,899	4,030	5,082	6,308	8,092	10,097	10,874	10,469	8,890	7,015	6,018	4,604	3,577	3,111
Red Flag Computation 1	5,633	243	313	341	369	474	671	767	675	514	358	314	257	184	153
	6.19%	8.38%	7.77%	6.71%	5.85%	5.86%	6.65%	7.05%	6.45%	5.78%	5.10%	5.22%	5.58%	5.14%	4.92%
Red Flag Computation 2	35,166	721	998	1,001	1,055	2,518	3,942	4,482	4,559	3,609	3,404	2,957	2,449	1,845	1,626
	38.62%	24.87%	24.76%	19.70%	16.72%	31.12%	39.04%	41.22%	43.55%	40.60%	48.52%	49.14%	53.19%	51.58%	52.27%
Red Flag Computation 3	13,545	555	753	1,058	1,222	1,314	1,522	1,573	1,459	1,268	909	793	501	343	275
	14.87%	19.14%	18.68%	20.82%	19.37%	16.24%	15.07%	14.47%	13.94%	14.26%	12.96%	13.18%	10.88%	9.59%	8.84%
Red Flag Computation 4	8,502	94	256	600	720	817	864	995	935	960	674	589	475	267	256
	9.34%	3.24%	6.35%	11.81%	11.41%	10.10%	8.56%	9.15%	8.93%	10.80%	9.61%	9.79%	10.32%	7.46%	8.23%
Red Flag Computation 5	13,725	578	908	974	1,486	1,659	1,653	1,473	1,469	1,190	811	654	390	291	189
	12.80%	15.70%	18.05%	15.48%	18.97%	17.12%	13.98%	11.75%	12.10%	11.54%	9.95%	9.40%	7.48%	7.14%	5.47%
Red Flag Computation 6	3,058	106	167	253	360	351	338	303	335	281	154	208	104	78	20
	2.85%	2.88%	3.32%	4.02%	4.60%	3.62%	2.86%	2.42%	2.76%	2.73%	1.89%	2.99%	2.00%	1.91%	0.58%
Red Flag Computation 7	45,941	1,867	2,500	3,146	4,108	4,190	5,018	4,934	4,711	4,217	3,621	2,924	1,962	1,592	1,151
	42.86%	50.72%	49.69%	50.02%	52.44%	43.24%	42.45%	39.35%	38.79%	40.90%	44.41%	42.04%	37.65%	39.08%	33.29%
Red Flag Computation 8	23,649	1,149	1,362	1,832	2,146	2,176	2,453	2,443	2,413	2,117	1,746	1,452	992	802	566
	22.06%	31.21%	27.07%	29.13%	27.39%	22.46%	20.75%	19.48%	19.87%	20.53%	21.42%	20.88%	19.04%	19.69%	16.37%
Red Flag Computation 9	3,220	71	98	188	302	326	451	456	409	286	258	163	51	29	132
	3.54%	2.45%	2.43%	3.70%	4.79%	4.03%	4.47%	4.19%	3.91%	3.22%	3.68%	2.71%	1.11%	0.81%	4.24%
Red Flag Computation 10	3,637	59	102	143	268	347	543	436	371	311	228	119	60	38	612
	3.99%	2.04%	2.53%	2.81%	4.25%	4.29%	5.38%	4.01%	3.54%	3.50%	3.25%	1.98%	1.30%	1.06%	19.67%
Red Flag Computation 11	3,203	59	102	143	268	347	543	436	371	311	228	119	60	38	178
	3.52%	2.04%	2.53%	2.81%	4.25%	4.29%	5.38%	4.01%	3.54%	3.50%	3.25%	1.98%	1.30%	1.06%	5.72%
Red Flag Computation 12	9,743	196	417	561	765	1,008	1,324	1,530	1,293	1,056	398	367	298	331	199
	10.70%	6.76%	10.35%	11.04%	12.13%	12.46%	13.11%	14.07%	12.35%	11.88%	5.67%	6.10%	6.47%	9.25%	6.40%
Red Flag Computation 13	6,303	166	272	383	535	749	1,054	1,046	836	565	167	134	196	125	75
	6.92%	5.73%	6.75%	7.54%	8.48%	9.26%	10.44%	9.62%	7.99%	6.36%	2.38%	2.23%	4.26%	3.49%	2.41%
Red Flag Computation 14	1,630	85	143	169	193	220	276	221	179	144	0	0	0	0	0
	1.79%	2.93%	3.55%	3.33%	3.06%	2.72%	2.73%	2.03%	1.71%	1.62%	0.00%	0.00%	0.00%	0.00%	0.00%
Red Flag Computation 15	31,268	849	1,533	1,959	2,530	3,449	4,108	3,904	3,612	2,943	2,006	1,770	1,176	755	674
	34.34%	29.29%	38.04%	38.55%	40.11%	42.62%	40.69%	35.90%	34.50%	33.10%	28.60%	29.41%	25.54%	21.11%	21.67%
Red Flag Computation 16	8,130	383	448	602	664	874	937	886	871	568	428	346	272	422	429
	8.93%	13.21%	11.12%	11.85%	10.53%	10.80%	9.28%	8.15%	8.32%	6.39%	6.10%	5.75%	5.91%	11.80%	13.79%
Red Flag Computation 17	19,153	501	710	718	703	1,516	2,709	2,567	2,435	1,735	1,550	1,360	1,122	845	682
	17.87%	13.61%	14.11%	11.41%	8.97%	15.65%	22.91%	20.47%	20.05%	16.83%	19.01%	19.55%	21.53%	20.74%	19.73%
Red Flag Computation 18	7,153	203	247	256	367	539	611	882	918	755	769	573	423	324	286
	7.85%	7.00%	6.13%	5.04%	5.82%	6.66%	6.05%	8.11%	8.77%	8.49%	10.96%	9.52%	9.19%	9.06%	9.19%

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CVS Combination Red Flagged Prescriptions Summary
Lake County, OH
Red Flag Computation 1-43, in # of Prescriptions

	Total	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Total # of Combination Red Flagged Prescriptions	107,190	3,681	5,031	6,290	7,834	9,689	11,822	12,538	12,144	10,311	8,153	6,955	5,211	4,074	3,457
Total # of Combination Red Flagged Opioid Prescriptions	91,066	2,899	4,030	5,082	6,308	8,092	10,097	10,874	10,469	8,890	7,015	6,018	4,604	3,577	3,111
Red Flag Computation 19	3,076	75	124	137	212	254	247	342	419	325	303	264	141	106	127
	3.38%	2.59%	3.08%	2.70%	3.36%	3.14%	2.45%	3.15%	4.00%	3.66%	4.32%	4.39%	3.06%	2.96%	4.08%
Red Flag Computation 20	8,183	365	442	653	850	781	866	863	818	744	564	570	253	217	197
	8.99%	12.59%	10.97%	12.85%	13.47%	9.65%	8.58%	7.94%	7.81%	8.37%	8.04%	9.47%	5.50%	6.07%	6.33%
Red Flag Computation 21	6,538	223	251	414	589	620	674	699	770	665	548	473	235	188	189
	7.18%	7.69%	6.23%	8.15%	9.34%	7.66%	6.68%	6.43%	7.36%	7.48%	7.81%	7.86%	5.10%	5.26%	6.08%
Red Flag Computation 22	230	0	1	11	17	20	17	18	39	31	27	17	10	4	18
	0.25%	0.00%	0.02%	0.22%	0.27%	0.25%	0.17%	0.17%	0.37%	0.35%	0.38%	0.28%	0.22%	0.11%	0.58%
Red Flag Computation 23	323	0	1	19	18	31	23	23	64	38	38	29	20	1	18
	0.35%	0.00%	0.02%	0.37%	0.29%	0.38%	0.23%	0.21%	0.61%	0.43%	0.54%	0.48%	0.43%	0.03%	0.58%
Red Flag Computation 24	11,600	160	383	734	980	1,118	1,150	1,370	1,301	1,290	977	761	612	381	383
	12.74%	5.52%	9.50%	14.44%	15.54%	13.82%	11.39%	12.60%	12.43%	14.51%	13.93%	12.65%	13.29%	10.65%	12.31%
Red Flag Computation 25	7,060	135	301	395	559	772	1,042	1,192	960	723	237	216	180	213	135
	7.75%	4.66%	7.47%	7.77%	8.86%	9.54%	10.32%	10.96%	9.17%	8.13%	3.38%	3.59%	3.91%	5.95%	4.34%
Red Flag Computation 26	5,569	141	238	340	458	659	951	947	760	492	136	115	162	107	63
	6.12%	4.86%	5.91%	6.69%	7.26%	8.14%	9.42%	8.71%	7.26%	5.53%	1.94%	1.91%	3.52%	2.99%	2.03%
Red Flag Computation 27	3	0	2	0	0	1	0	0	0	0	0	0	0	0	0
	0.00%	0.00%	0.05%	0.00%	0.00%	0.01%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Red Flag Computation 28	75	0	6	5	12	9	8	16	11	6	0	0	0	0	2
	0.08%	0.00%	0.15%	0.10%	0.19%	0.11%	0.08%	0.15%	0.11%	0.07%	0.00%	0.00%	0.00%	0.00%	0.06%
Red Flag Computation 29	1,241	68	107	121	138	157	214	174	147	115	0	0	0	0	0
	1.36%	2.35%	2.66%	2.38%	2.19%	1.94%	2.12%	1.60%	1.40%	1.29%	0.00%	0.00%	0.00%	0.00%	0.00%
Red Flag Computation 30	5,186	231	353	431	460	598	798	690	610	468	197	128	91	65	66
	5.69%	7.97%	8.76%	8.48%	7.29%	7.39%	7.90%	6.35%	5.83%	5.26%	2.81%	2.13%	1.98%	1.82%	2.12%
Red Flag Computation 31	4,325	40	182	252	274	598	659	602	557	483	182	154	99	75	168
	4.75%	1.38%	4.52%	4.96%	4.34%	7.39%	6.53%	5.54%	5.32%	5.43%	2.59%	2.56%	2.15%	2.10%	5.40%
Red Flag Computation 32	947	70	97	60	82	130	108	135	89	80	40	26	8	10	12
	1.04%	2.41%	2.41%	1.18%	1.30%	1.61%	1.07%	1.24%	0.85%	0.90%	0.57%	0.43%	0.17%	0.28%	0.39%
Red Flag Computation 33	1,692	55	95	147	218	268	221	151	149	137	81	97	34	19	20
	1.86%	1.90%	2.36%	2.89%	3.46%	3.31%	2.19%	1.39%	1.42%	1.54%	1.15%	1.61%	0.74%	0.53%	0.64%
Red Flag Computation 34	808	3	0	2	9	44	44	75	80	71	74	81	87	110	128
	0.89%	0.10%	0.00%	0.04%	0.14%	0.54%	0.44%	0.69%	0.76%	0.80%	1.05%	1.35%	1.89%	3.08%	4.11%
Red Flag Computation 35	13,156	404	598	825	1,201	1,274	1,373	1,360	1,171	1,162	1,109	1,004	707	571	397
	14.45%	13.94%	14.84%	16.23%	19.04%	15.74%	13.60%	12.51%	11.19%	13.07%	15.81%	16.68%	15.36%	15.96%	12.76%
Red Flag Computation 36	21,859	249	358	331	345	1,602	2,736	3,073	2,962	2,300	2,287	1,892	1,570	1,125	1,029
	24.00%	8.59%	8.88%	6.51%	5.47%	19.80%	27.10%	28.26%	28.29%	25.87%	32.60%	31.44%	34.10%	31.45%	33.08%

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CVS Combination Red Flagged Prescriptions Summary
Lake County, OH
Red Flag Computation 1-43, in # of Prescriptions

	Total	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Total # of Combination Red Flagged Prescriptions	107,190	3,681	5,031	6,290	7,834	9,689	11,822	12,538	12,144	10,311	8,153	6,955	5,211	4,074	3,457
Total # of Combination Red Flagged Opioid Prescriptions	91,066	2,899	4,030	5,082	6,308	8,092	10,097	10,874	10,469	8,890	7,015	6,018	4,604	3,577	3,111
Red Flag Computation 37	226	0	0	7	25	47	68	36	4	4	1	4	10	18	2
	0.25%	0.00%	0.00%	0.14%	0.40%	0.58%	0.67%	0.33%	0.04%	0.04%	0.01%	0.07%	0.22%	0.50%	0.06%
Red Flag Computation 38	34,180	1,722	2,079	2,684	3,231	3,434	3,721	3,653	3,513	2,940	2,255	1,903	1,275	990	780
	31.89%	46.78%	41.32%	42.67%	41.24%	35.44%	31.48%	29.14%	28.93%	28.51%	27.66%	27.36%	24.47%	24.30%	22.56%
Red Flag Computation 39	2,833	103	156	243	349	320	306	273	306	263	143	192	99	61	19
	2.64%	2.80%	3.10%	3.86%	4.45%	3.30%	2.59%	2.18%	2.52%	2.55%	1.75%	2.76%	1.90%	1.50%	0.55%
Red Flag Computation 40	958	47	76	71	115	68	123	96	106	116	65	31	18	9	17
	1.05%	1.62%	1.89%	1.40%	1.82%	0.84%	1.22%	0.88%	1.01%	1.30%	0.93%	0.52%	0.39%	0.25%	0.55%
Red Flag Computation 41	10,503	504	653	815	1,188	1,259	1,290	1,331	1,093	898	492	422	269	190	99
	9.80%	13.69%	12.98%	12.96%	15.16%	12.99%	10.91%	10.62%	9.00%	8.71%	6.03%	6.07%	5.16%	4.66%	2.86%
Red Flag Computation 42	6,360	293	387	381	654	717	775	702	684	611	407	327	152	146	124
	5.93%	7.96%	7.69%	6.06%	8.35%	7.40%	6.56%	5.60%	5.63%	5.93%	4.99%	4.70%	2.92%	3.58%	3.59%
Red Flag Computation 43	249	27	23	23	48	51	25	16	23	9	2	1	1	0	0
	0.23%	0.73%	0.46%	0.37%	0.61%	0.53%	0.21%	0.13%	0.19%	0.09%	0.02%	0.01%	0.02%	0.00%	0.00%
Flagged for Any of the Red Flag Computation 1-43	107,190	3,681	5,031	6,290	7,834	9,689	11,822	12,538	12,144	10,311	8,153	6,955	5,211	4,074	3,457
	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%

Notes

Defendant	Date Range
CVS	January 1, 2006 to November 29, 2019
Giant Eagle/HBC	January 1, 2006 to December 3, 2019
Rite Aid	January 1, 2006 to November 19, 2019
Walgreens	January 3, 2006 to January 3, 2020
Wal-Mart	January 2, 2006 to April 25, 2018

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CVS Combination Red Flagged Prescriptions Summary
Lake County, OH
Red Flag Computation 1-43, in Dosage Units

	Total	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Total Dosage Units of Combination Red Flagged Prescriptions	7,581,156	229,507	370,243	472,140	597,102	781,413	993,539	1,001,669	890,768	698,493	459,944	404,114	297,495	210,695	174,034
Total Dosage Units of Combination Red Flagged Opioid Prescriptions	6,731,849	189,317	318,620	410,542	512,583	685,128	888,829	906,322	806,258	630,459	406,004	359,556	269,307	188,494	160,430
Red Flag Computation 1	488,717	22,762	34,779	37,808	31,602	47,349	70,753	72,504	59,902	41,052	21,716	19,150	15,195	8,425	5,720
	7.26%	12.02%	10.92%	9.21%	6.17%	6.91%	7.96%	8.00%	7.43%	6.51%	5.35%	5.33%	5.64%	4.47%	3.57%
Red Flag Computation 2	2,191,768	48,602	78,892	82,119	83,327	180,842	304,254	316,756	282,788	202,269	170,166	162,303	133,001	84,770	61,679
	32.56%	25.67%	24.76%	20.00%	16.26%	26.40%	34.23%	34.95%	35.07%	32.08%	41.91%	45.14%	49.39%	44.97%	38.45%
Red Flag Computation 3	804,488	30,278	43,409	67,109	73,061	80,616	96,423	97,707	88,323	75,051	49,575	43,945	27,220	16,829	14,942
	11.95%	15.99%	13.62%	16.35%	14.25%	11.77%	10.85%	10.78%	10.95%	11.90%	12.21%	12.22%	10.11%	8.93%	9.31%
Red Flag Computation 4	639,943	6,172	18,499	42,742	50,584	62,235	72,452	84,562	71,571	71,842	47,301	42,333	33,817	16,566	19,267
	9.51%	3.26%	5.81%	10.41%	9.87%	9.08%	8.15%	9.33%	8.88%	11.40%	11.65%	11.77%	12.56%	8.79%	12.01%
Red Flag Computation 5	1,055,592	43,178	65,696	80,960	120,329	132,112	136,279	119,423	111,488	83,634	56,019	48,076	27,354	19,423	11,621
	13.92%	18.81%	17.74%	17.15%	20.15%	16.91%	13.72%	11.92%	12.52%	11.97%	12.18%	11.90%	9.19%	9.22%	6.68%
Red Flag Computation 6	240,986	8,248	11,704	18,712	30,427	31,385	27,367	27,908	24,689	19,143	11,000	16,800	7,066	5,702	835
	3.18%	3.59%	3.16%	3.96%	5.10%	4.02%	2.75%	2.79%	2.77%	2.74%	2.39%	4.16%	2.38%	2.71%	0.48%
Red Flag Computation 7	3,026,051	113,387	157,177	220,942	281,307	296,838	371,857	353,020	317,062	272,269	206,454	175,124	118,550	85,923	56,141
	39.92%	49.40%	42.45%	46.80%	47.11%	37.99%	37.43%	35.24%	35.59%	38.98%	44.89%	43.34%	39.85%	40.78%	32.26%
Red Flag Computation 8	1,431,151	67,677	78,698	113,260	134,760	145,286	171,794	164,228	140,094	123,019	93,710	81,070	53,945	38,821	24,789
	18.88%	29.49%	21.26%	23.99%	22.57%	18.59%	17.29%	16.40%	15.73%	17.61%	20.37%	20.06%	18.13%	18.43%	14.24%
Red Flag Computation 9	260,135	5,263	6,936	16,707	25,011	31,454	40,935	37,083	32,183	22,885	17,037	9,566	3,682	1,862	9,531
	3.86%	2.78%	2.18%	4.07%	4.88%	4.59%	4.61%	4.09%	3.99%	3.63%	4.20%	2.66%	1.37%	0.99%	5.94%
Red Flag Computation 10	369,680	3,624	5,828	13,811	29,117	40,816	64,085	47,124	37,679	31,258	19,197	13,134	6,522	5,207	52,278
	5.49%	1.91%	1.83%	3.36%	5.68%	5.96%	7.21%	5.20%	4.67%	4.96%	4.73%	3.65%	2.42%	2.76%	32.59%
Red Flag Computation 11	333,426	3,624	5,828	13,811	29,117	40,816	64,085	47,124	37,679	31,258	19,197	13,134	6,522	5,207	16,024
	4.95%	1.91%	1.83%	3.36%	5.68%	5.96%	7.21%	5.20%	4.67%	4.96%	4.73%	3.65%	2.42%	2.76%	9.99%
Red Flag Computation 12	1,308,215	15,263	74,998	89,506	115,470	172,496	218,681	235,876	182,639	119,502	23,096	22,288	15,251	14,787	8,362
	19.43%	8.06%	23.54%	21.80%	22.53%	25.18%	24.60%	26.03%	22.65%	18.95%	5.69%	6.20%	5.66%	7.84%	5.21%
Red Flag Computation 13	954,848	13,639	48,047	63,535	85,426	134,416	182,121	179,293	133,829	76,936	10,453	7,744	10,076	6,101	3,232
	14.18%	7.20%	15.08%	15.48%	16.67%	19.62%	20.49%	19.78%	16.60%	12.20%	2.57%	2.15%	3.74%	3.24%	2.01%
Red Flag Computation 14	153,984	6,247	12,468	13,842	18,575	20,987	28,922	21,782	16,640	14,521	0	0	0	0	0
	2.29%	3.30%	3.91%	3.37%	3.62%	3.06%	3.25%	2.40%	2.06%	2.30%	0.00%	0.00%	0.00%	0.00%	0.00%
Red Flag Computation 15	2,675,598	63,806	123,870	165,643	220,153	297,057	384,104	359,734	322,931	257,386	144,644	133,764	88,344	60,616	53,546
	39.75%	33.70%	38.88%	40.35%	42.95%	43.36%	43.21%	39.69%	40.05%	40.83%	35.63%	37.20%	32.80%	32.16%	33.38%
Red Flag Computation 16	524,177	19,429	26,802	34,580	46,558	68,629	77,007	62,182	59,549	38,518	21,013	14,558	13,408	18,638	23,306
	7.79%	10.26%	8.41%	8.42%	9.08%	10.02%	8.66%	6.86%	7.39%	6.11%	5.18%	4.05%	4.98%	9.89%	14.53%
Red Flag Computation 17	1,387,224	35,697	55,257	60,055	56,796	113,194	218,855	209,126	179,861	120,790	91,854	87,771	73,048	50,326	34,594
	18.30%	15.55%	14.92%	12.72%	9.51%	14.49%	22.03%	20.88%	20.19%	17.29%	19.97%	21.72%	24.55%	23.89%	19.88%
Red Flag Computation 18	331,303	9,114	12,862	13,839	18,980	27,833	30,976	40,960	44,292	34,135	31,980	25,531	18,390	12,701	9,710
	4.92%	4.81%	4.04%	3.37%	3.70%	4.06%	3.49%	4.52%	5.49%	5.41%	7.88%	7.10%	6.83%	6.74%	6.05%

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CVS Combination Red Flagged Prescriptions Summary
Lake County, OH
Red Flag Computation 1-43, in Dosage Units

	Total	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Total Dosage Units of Combination Red Flagged Prescriptions	7,581,156	229,507	370,243	472,140	597,102	781,413	993,539	1,001,669	890,768	698,493	459,944	404,114	297,495	210,695	174,034
Total Dosage Units of Combination Red Flagged Opioid Prescriptions	6,731,849	189,317	318,620	410,542	512,583	685,128	888,829	906,322	806,258	630,459	406,004	359,556	269,307	188,494	160,430
Red Flag Computation 19	148,389	2,721	6,765	7,633	10,978	12,798	12,965	14,874	21,912	15,910	13,712	11,542	6,865	4,481	5,233
	2.20%	1.44%	2.12%	1.86%	2.14%	1.87%	1.46%	1.64%	2.72%	2.52%	3.38%	3.21%	2.55%	2.38%	3.26%
Red Flag Computation 20	413,173	16,974	22,032	32,798	42,534	41,865	46,875	42,577	43,706	36,891	28,626	27,701	12,116	9,531	8,947
	6.14%	8.97%	6.91%	7.99%	8.30%	6.11%	5.27%	4.70%	5.42%	5.85%	7.05%	7.70%	4.50%	5.06%	5.58%
Red Flag Computation 21	333,822	10,289	13,894	21,448	30,386	32,725	37,590	33,347	41,658	33,486	26,333	23,412	11,729	8,773	8,752
	4.96%	5.43%	4.36%	5.22%	5.93%	4.78%	4.23%	3.68%	5.17%	5.31%	6.49%	6.51%	4.36%	4.65%	5.46%
Red Flag Computation 22	11,330	0	0	637	691	1,031	795	1,033	2,513	1,253	1,517	637	456	134	633
	0.17%	0.00%	0.00%	0.16%	0.13%	0.15%	0.09%	0.11%	0.31%	0.20%	0.37%	0.18%	0.17%	0.07%	0.39%
Red Flag Computation 23	18,974	0	0	1,210	1,036	1,605	1,582	1,355	3,681	1,626	2,553	1,825	1,642	56	803
	0.28%	0.00%	0.00%	0.29%	0.20%	0.23%	0.18%	0.15%	0.46%	0.26%	0.63%	0.51%	0.61%	0.03%	0.50%
Red Flag Computation 24	827,226	8,546	28,602	54,824	69,694	81,686	85,562	106,550	95,186	91,272	60,443	50,200	41,767	27,095	25,799
	12.29%	4.51%	8.98%	13.35%	13.60%	11.92%	9.63%	11.76%	11.81%	14.48%	14.89%	13.96%	15.51%	14.37%	16.08%
Red Flag Computation 25	1,019,898	8,945	54,154	66,015	89,870	137,413	182,993	192,646	145,571	90,216	14,074	13,511	9,350	9,755	5,385
	15.15%	4.72%	17.00%	16.08%	17.53%	20.06%	20.59%	21.26%	18.06%	14.31%	3.47%	3.76%	3.47%	5.18%	3.36%
Red Flag Computation 26	861,211	10,206	42,550	56,489	75,012	119,630	165,917	164,233	124,182	70,275	8,742	6,713	8,764	5,559	2,939
	12.79%	5.39%	13.35%	13.76%	14.63%	17.46%	18.67%	18.12%	15.40%	11.15%	2.15%	1.87%	3.25%	2.95%	1.83%
Red Flag Computation 27	55	0	40	0	0	15	0	0	0	0	0	0	0	0	0
	0.00%	0.00%	0.01%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Red Flag Computation 28	11,244	0	944	504	1,344	1,248	876	3,234	1,906	1,164	0	0	0	0	24
	0.17%	0.00%	0.30%	0.12%	0.26%	0.18%	0.10%	0.36%	0.24%	0.18%	0.00%	0.00%	0.00%	0.00%	0.01%
Red Flag Computation 29	110,238	4,249	8,437	8,226	12,248	14,532	21,360	16,323	13,446	11,417	0	0	0	0	0
	1.64%	2.24%	2.65%	2.00%	2.39%	2.12%	2.40%	1.80%	1.67%	1.81%	0.00%	0.00%	0.00%	0.00%	0.00%
Red Flag Computation 30	454,243	17,469	28,639	34,657	39,343	53,702	79,878	67,270	55,253	38,152	15,257	9,516	6,551	3,626	4,930
	6.75%	9.23%	8.99%	8.44%	7.68%	7.84%	8.99%	7.42%	6.85%	6.05%	3.76%	2.65%	2.43%	1.92%	3.07%
Red Flag Computation 31	561,000	4,588	21,337	28,321	35,292	68,435	86,914	87,631	79,356	63,875	19,772	18,782	14,204	13,303	19,190
	8.33%	2.42%	6.70%	6.90%	6.89%	9.99%	9.78%	9.67%	9.84%	10.13%	4.87%	5.22%	5.27%	7.06%	11.96%
Red Flag Computation 32	83,726	5,272	6,286	3,210	7,660	14,077	7,925	12,954	9,322	9,210	4,620	1,458	340	212	1,180
	1.24%	2.78%	1.97%	0.78%	1.49%	2.05%	0.89%	1.43%	1.16%	1.46%	1.14%	0.41%	0.13%	0.11%	0.74%
Red Flag Computation 33	97,580	3,295	4,874	7,850	13,114	17,986	15,070	8,448	7,632	7,080	3,477	4,858	1,611	1,206	1,079
	1.45%	1.74%	1.53%	1.91%	2.56%	2.63%	1.70%	0.93%	0.95%	1.12%	0.86%	1.35%	0.60%	0.64%	0.67%
Red Flag Computation 34	75,128	180	0	270	748	3,601	4,830	6,558	7,295	7,286	6,545	6,710	8,069	10,577	12,459
	1.12%	0.10%	0.00%	0.07%	0.15%	0.53%	0.54%	0.72%	0.90%	1.16%	1.61%	1.87%	3.00%	5.61%	7.77%
Red Flag Computation 35	807,068	23,683	37,512	53,134	79,806	80,612	86,563	84,217	74,484	74,710	66,945	59,510	37,751	28,714	19,427
	11.99%	12.51%	11.77%	12.94%	15.57%	11.77%	9.74%	9.29%	9.24%	11.85%	16.49%	16.55%	14.02%	15.23%	12.11%
Red Flag Computation 36	1,337,178	21,336	37,783	32,053	31,872	112,891	219,471	227,879	179,058	118,411	103,690	97,118	78,887	43,957	32,772
	19.86%	11.27%	11.86%	7.81%	6.22%	16.48%	24.69%	25.14%	22.21%	18.78%	25.54%	27.01%	29.29%	23.32%	20.43%

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CVS Combination Red Flagged Prescriptions Summary
Lake County, OH
Red Flag Computation 1-43, in Dosage Units

	Total	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Total Dosage Units of Combination Red Flagged Prescriptions	7,581,156	229,507	370,243	472,140	597,102	781,413	993,539	1,001,669	890,768	698,493	459,944	404,114	297,495	210,695	174,034
Total Dosage Units of Combination Red Flagged Opioid Prescriptions	6,731,849	189,317	318,620	410,542	512,583	685,128	888,829	906,322	806,258	630,459	406,004	359,556	269,307	188,494	160,430
Red Flag Computation 37	49,523	0	0	2,430	9,876	12,872	16,065	6,655	230	140	40	150	375	630	60
	0.74%	0.00%	0.00%	0.59%	1.93%	1.88%	1.81%	0.73%	0.03%	0.02%	0.01%	0.04%	0.14%	0.33%	0.04%
Red Flag Computation 38	2,265,669	108,537	137,500	183,572	224,461	253,286	286,434	269,487	228,916	183,967	124,256	109,274	70,813	48,617	36,549
	29.89%	47.29%	37.14%	38.88%	37.59%	32.41%	28.83%	26.90%	25.70%	26.34%	27.02%	27.04%	23.80%	23.07%	21.00%
Red Flag Computation 39	222,373	7,968	10,938	17,922	29,557	28,600	24,536	24,898	22,332	17,928	10,114	15,595	6,706	4,464	815
	2.93%	3.47%	2.95%	3.80%	4.95%	3.66%	2.47%	2.49%	2.51%	2.57%	2.20%	3.86%	2.25%	2.12%	0.47%
Red Flag Computation 40	71,878	4,952	5,152	5,843	10,249	6,226	9,946	6,195	7,974	7,736	3,928	1,513	732	214	1,218
	1.07%	2.62%	1.62%	1.42%	2.00%	0.91%	1.12%	0.68%	0.99%	1.23%	0.97%	0.42%	0.27%	0.11%	0.76%
Red Flag Computation 41	852,655	40,851	57,412	68,972	93,859	103,980	112,917	115,315	84,231	64,939	36,019	31,838	21,797	13,306	7,219
	11.25%	17.80%	15.51%	14.61%	15.72%	13.31%	11.37%	11.51%	9.46%	9.30%	7.83%	7.88%	7.33%	6.32%	4.15%
Red Flag Computation 42	399,951	16,959	22,428	24,283	43,246	47,026	54,021	46,779	43,108	34,477	24,066	19,501	10,177	7,909	5,971
	5.28%	7.39%	6.06%	5.14%	7.24%	6.02%	5.44%	4.67%	4.84%	4.94%	5.23%	4.83%	3.42%	3.75%	3.43%
Red Flag Computation 43	14,096	1,164	841	1,099	2,197	2,967	2,618	1,001	1,290	735	110	60	14	0	0
	0.19%	0.51%	0.23%	0.23%	0.37%	0.38%	0.26%	0.10%	0.14%	0.11%	0.02%	0.01%	0.00%	0.00%	0.00%
Flagged for Any of the Red Flag Computation 1-43	7,581,156	229,507	370,243	472,140	597,102	781,413	993,539	1,001,669	890,768	698,493	459,944	404,114	297,495	210,695	174,034
	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%

Notes

Defendant	Date Range
CVS	January 1, 2006 to November 29, 2019
Giant Eagle/HBC	January 1, 2006 to December 3, 2019
Rite Aid	January 1, 2006 to November 19, 2019
Walgreens	January 3, 2006 to January 3, 2020
Wal-Mart	January 2, 2006 to April 25, 2018

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CVS Combination Red Flagged Prescriptions Summary
Lake County, OH
Red Flag Computation 1-43, in MME

	Total	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Total MME of Combination Red Flagged Prescriptions	101,134,872	2,525,523	4,177,661	5,741,331	8,105,786	10,895,139	14,727,505	13,434,327	12,463,919	9,278,165	6,252,633	5,001,272	3,850,663	2,448,121	2,232,827
Total MME of Combination Red Flagged Opioid Prescriptions	101,134,872	2,525,523	4,177,661	5,741,331	8,105,786	10,895,139	14,727,505	13,434,327	12,463,919	9,278,165	6,252,633	5,001,272	3,850,663	2,448,121	2,232,827
Red Flag Computation 1	8,817,406	230,756	399,944	433,554	500,692	1,133,361	1,510,670	1,417,095	1,253,665	785,098	449,173	321,465	205,573	109,978	66,383
	8.72%	9.14%	9.57%	7.55%	6.18%	10.40%	10.26%	10.55%	10.06%	8.46%	7.18%	6.43%	5.34%	4.49%	2.97%
Red Flag Computation 2	35,418,283	701,202	1,075,805	1,288,766	1,493,526	3,715,175	6,318,791	4,844,378	4,806,508	2,922,488	2,386,492	2,105,916	1,777,441	1,130,680	851,117
	35.02%	27.76%	25.75%	22.45%	18.43%	34.10%	42.90%	36.06%	38.56%	31.50%	38.17%	42.11%	46.16%	46.19%	38.12%
Red Flag Computation 3	12,709,240	457,210	686,989	1,207,071	1,282,042	1,289,349	1,707,159	1,447,345	1,243,959	1,094,545	773,304	639,180	383,950	238,639	258,498
	12.57%	18.10%	16.44%	21.02%	15.82%	11.83%	11.59%	10.77%	9.98%	11.80%	12.37%	12.78%	9.97%	9.75%	11.58%
Red Flag Computation 4	11,907,458	141,761	296,266	740,935	1,027,008	1,065,175	1,381,398	1,486,403	1,412,423	1,430,860	878,264	706,308	656,347	316,146	368,167
	11.77%	5.61%	7.09%	12.91%	12.67%	9.78%	9.38%	11.06%	11.33%	15.42%	14.05%	14.12%	17.05%	12.91%	16.49%
Red Flag Computation 5	11,610,775	391,073	555,852	942,273	1,350,718	1,580,758	1,703,645	1,492,809	1,377,860	835,511	559,178	386,162	194,770	168,235	71,931
	11.48%	15.48%	13.31%	16.41%	16.66%	14.51%	11.57%	11.11%	11.05%	9.01%	8.94%	7.72%	5.06%	6.87%	3.22%
Red Flag Computation 6	1,874,244	105,153	52,213	128,935	207,512	290,590	262,595	212,903	231,865	148,983	80,168	92,833	31,835	26,198	2,465
	1.85%	4.16%	1.25%	2.25%	2.56%	2.67%	1.78%	1.58%	1.86%	1.61%	1.28%	1.86%	0.83%	1.07%	0.11%
Red Flag Computation 7	36,518,684	1,088,182	1,737,057	2,698,556	3,417,004	3,468,641	4,740,270	4,415,251	4,173,208	3,425,790	2,611,780	1,944,935	1,223,030	919,152	655,830
	36.11%	43.09%	41.58%	47.00%	42.16%	31.84%	32.19%	32.87%	33.48%	36.92%	41.77%	38.89%	31.76%	37.55%	29.37%
Red Flag Computation 8	12,392,954	559,245	613,387	1,013,729	1,159,942	1,349,597	1,619,993	1,522,260	1,250,562	1,020,159	831,765	583,553	407,173	268,360	193,232
	12.25%	22.14%	14.68%	17.66%	14.31%	12.39%	11.00%	11.33%	10.03%	11.00%	13.30%	11.67%	10.57%	10.96%	8.65%
Red Flag Computation 9	4,353,149	72,697	100,858	226,173	404,042	534,494	698,812	686,351	570,042	441,288	294,719	123,863	54,596	32,287	112,929
	4.30%	2.88%	2.41%	3.94%	4.98%	4.91%	4.74%	5.11%	4.57%	4.76%	4.71%	2.48%	1.42%	1.32%	5.06%
Red Flag Computation 10	21,825,332	323,160	667,264	1,146,820	2,173,920	2,778,610	4,272,730	2,957,060	2,617,544	1,463,424	975,601	582,392	332,325	196,305	1,338,178
	21.58%	12.80%	15.97%	19.97%	26.82%	25.50%	29.01%	22.01%	21.00%	15.77%	15.60%	11.64%	8.63%	8.02%	59.93%
Red Flag Computation 11	21,209,344	323,160	667,264	1,146,820	2,173,920	2,778,610	4,272,730	2,957,060	2,617,544	1,463,424	975,601	582,392	332,325	196,305	722,190
	20.97%	12.80%	15.97%	19.97%	26.82%	25.50%	29.01%	22.01%	21.00%	15.77%	15.60%	11.64%	8.63%	8.02%	32.34%
Red Flag Computation 12	10,199,055	112,903	552,728	661,138	868,355	1,350,988	1,804,133	1,941,055	1,430,775	902,708	163,280	160,868	97,813	97,928	54,388
	10.08%	4.47%	13.23%	11.52%	10.71%	12.40%	12.25%	14.45%	11.48%	9.73%	2.61%	3.22%	2.54%	4.00%	2.44%
Red Flag Computation 13	7,423,558	100,953	367,940	471,583	650,535	1,041,088	1,471,655	1,407,690	1,042,845	591,433	72,355	60,788	78,498	41,505	24,693
	7.34%	4.00%	8.81%	8.21%	8.03%	9.56%	9.99%	10.48%	8.37%	6.37%	1.16%	1.22%	2.04%	1.70%	1.11%
Red Flag Computation 14	1,190,711	54,640	119,193	117,883	167,993	177,180	185,915	144,840	117,693	105,376	0	0	0	0	0
	1.18%	2.16%	2.85%	2.05%	2.07%	1.63%	1.26%	1.08%	0.94%	1.14%	0.00%	0.00%	0.00%	0.00%	0.00%
Red Flag Computation 15	55,183,291	1,240,383	2,239,544	3,282,618	4,727,220	6,252,549	8,371,423	7,144,107	6,805,791	5,316,846	3,305,077	2,521,384	1,799,520	1,099,508	1,077,322
	54.56%	49.11%	53.61%	57.18%	58.32%	57.39%	56.84%	53.18%	54.60%	57.30%	52.86%	50.41%	46.73%	44.91%	48.25%
Red Flag Computation 16	7,624,339	216,283	303,934	430,279	757,878	1,205,008	1,380,654	818,764	817,550	635,840	273,361	186,343	144,089	201,643	252,714
	7.54%	8.56%	7.28%	7.49%	9.35%	11.06%	9.37%	6.09%	6.56%	6.85%	4.37%	3.73%	3.74%	8.24%	11.32%
Red Flag Computation 17	22,932,637	516,352	786,513	959,464	1,032,192	2,491,280	4,405,338	3,225,609	3,154,855	1,837,761	1,305,265	1,134,093	972,003	663,366	448,548
	22.68%	20.45%	18.83%	16.71%	12.73%	22.87%	29.91%	24.01%	25.31%	19.81%	20.88%	22.68%	25.24%	27.10%	20.09%
Red Flag Computation 18	4,029,895	110,399	161,731	215,107	257,275	333,397	384,487	449,310	553,104	438,619	357,571	253,144	246,918	155,970	112,867
	3.98%	4.37%	3.87%	3.75%	3.17%	3.06%	2.61%	3.34%	4.44%	4.73%	5.72%	5.06%	6.41%	6.37%	5.05%

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CVS Combination Red Flagged Prescriptions Summary
Lake County, OH
Red Flag Computation 1-43, in MME

	Total	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Total MME of Combination Red Flagged Prescriptions	101,134,872	2,525,523	4,177,661	5,741,331	8,105,786	10,895,139	14,727,505	13,434,327	12,463,919	9,278,165	6,252,633	5,001,272	3,850,663	2,448,121	2,232,827
Total MME of Combination Red Flagged Opioid Prescriptions	101,134,872	2,525,523	4,177,661	5,741,331	8,105,786	10,895,139	14,727,505	13,434,327	12,463,919	9,278,165	6,252,633	5,001,272	3,850,663	2,448,121	2,232,827
Red Flag Computation 19	1,922,883	22,709	111,123	132,747	178,747	152,269	175,470	182,282	254,955	204,523	175,040	135,009	75,161	58,530	64,320
	1.90%	0.90%	2.66%	2.31%	2.21%	1.40%	1.19%	1.36%	2.05%	2.20%	2.80%	2.70%	1.95%	2.39%	2.88%
Red Flag Computation 20	5,631,238	205,143	325,332	509,596	586,394	542,024	629,233	632,901	549,738	489,372	399,042	378,841	140,708	126,457	116,458
	5.57%	8.12%	7.79%	8.88%	7.23%	4.97%	4.27%	4.71%	4.41%	5.27%	6.38%	7.57%	3.65%	5.17%	5.22%
Red Flag Computation 21	4,547,418	118,566	227,871	293,582	420,171	443,841	531,008	478,452	544,388	440,571	385,623	288,454	135,488	124,614	114,790
	4.50%	4.69%	5.45%	5.11%	5.18%	4.07%	3.61%	3.56%	4.37%	4.75%	6.17%	5.77%	3.52%	5.09%	5.14%
Red Flag Computation 22	180,171	0	8,100	9,273	9,525	12,588	7,378	13,003	59,518	10,885	19,860	17,628	4,008	1,110	7,299
	0.18%	0.00%	0.19%	0.16%	0.12%	0.12%	0.05%	0.10%	0.48%	0.12%	0.32%	0.35%	0.10%	0.05%	0.33%
Red Flag Computation 23	360,446	0	8,100	14,488	14,390	20,868	32,530	21,383	106,863	23,938	44,212	38,313	26,115	420	8,829
	0.36%	0.00%	0.19%	0.25%	0.18%	0.19%	0.22%	0.16%	0.86%	0.26%	0.71%	0.77%	0.68%	0.02%	0.40%
Red Flag Computation 24	14,347,456	162,916	377,780	788,152	1,149,586	1,294,564	1,484,087	1,845,411	1,852,350	1,696,266	1,070,639	843,387	846,113	443,998	492,209
	14.19%	6.45%	9.04%	13.73%	14.18%	11.88%	10.08%	13.74%	14.86%	18.28%	17.12%	16.86%	21.97%	18.14%	22.04%
Red Flag Computation 25	7,878,958	68,640	402,258	490,330	674,618	1,061,785	1,469,230	1,549,970	1,127,200	680,638	96,955	97,933	61,120	64,035	34,248
	7.79%	2.72%	9.63%	8.54%	8.32%	9.75%	9.98%	11.54%	9.04%	7.34%	1.55%	1.96%	1.59%	2.62%	1.53%
Red Flag Computation 26	6,679,640	77,635	325,093	420,375	569,515	926,720	1,331,975	1,282,900	964,113	537,390	60,350	53,040	70,483	37,275	22,778
	6.60%	3.07%	7.78%	7.32%	7.03%	8.51%	9.04%	9.55%	7.74%	5.79%	0.97%	1.06%	1.83%	1.52%	1.02%
Red Flag Computation 27	313	0	200	0	0	113	0	0	0	0	0	0	0	0	0
	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Red Flag Computation 28	115,275	0	6,980	3,180	13,440	14,110	22,905	29,925	15,885	8,730	0	0	0	0	120
	0.11%	0.00%	0.17%	0.06%	0.17%	0.13%	0.16%	0.22%	0.13%	0.09%	0.00%	0.00%	0.00%	0.00%	0.01%
Red Flag Computation 29	824,645	39,855	78,413	66,853	104,295	111,823	138,510	109,484	95,068	80,346	0	0	0	0	0
	0.82%	1.58%	1.88%	1.16%	1.29%	1.03%	0.94%	0.81%	0.76%	0.87%	0.00%	0.00%	0.00%	0.00%	0.00%
Red Flag Computation 30	6,428,917	216,966	400,482	509,533	625,396	707,659	1,237,509	954,242	718,090	487,838	217,048	148,500	81,508	48,911	75,236
	6.36%	8.59%	9.59%	8.87%	7.72%	6.50%	8.40%	7.10%	5.76%	5.26%	3.47%	2.97%	2.12%	2.00%	3.37%
Red Flag Computation 31	8,426,332	35,815	253,625	413,856	582,698	993,160	1,353,454	1,245,509	1,314,638	984,700	391,148	322,845	146,475	118,035	270,375
	8.33%	1.42%	6.07%	7.21%	7.19%	9.12%	9.19%	9.27%	10.55%	10.61%	6.26%	6.46%	3.80%	4.82%	12.11%
Red Flag Computation 32	1,554,004	47,870	88,065	61,220	119,535	274,543	168,848	250,529	163,928	213,590	112,095	28,303	4,240	2,610	18,630
	1.54%	1.90%	2.11%	1.07%	1.47%	2.52%	1.15%	1.86%	1.32%	2.30%	1.79%	0.57%	0.11%	0.11%	0.83%
Red Flag Computation 33	3,360,610	77,491	200,006	304,253	457,122	723,492	613,927	267,560	252,123	177,840	81,790	133,280	32,572	23,195	15,960
	3.32%	3.07%	4.79%	5.30%	5.64%	6.64%	4.17%	1.99%	2.02%	1.92%	1.31%	2.66%	0.85%	0.95%	0.71%
Red Flag Computation 34	1,431,828	1,350	0	6,750	26,280	88,216	110,700	167,246	168,765	183,083	137,943	112,393	104,520	155,558	169,025
	1.42%	0.05%	0.00%	0.12%	0.32%	0.81%	0.75%	1.24%	1.35%	1.97%	2.21%	2.25%	2.71%	6.35%	7.57%
Red Flag Computation 35	16,871,534	434,136	706,194	1,093,810	1,973,694	1,920,709	2,160,645	1,936,188	1,561,456	1,469,594	1,259,350	1,014,287	643,378	428,442	269,653
	16.68%	17.19%	16.90%	19.05%	24.35%	17.63%	14.67%	14.41%	12.53%	15.84%	20.14%	20.28%	16.71%	17.50%	12.08%
Red Flag Computation 36	21,754,534	296,038	399,654	382,960	519,719	2,314,416	4,586,826	3,460,840	3,196,341	1,709,750	1,443,868	1,304,996	1,079,975	573,251	485,901
	21.51%	11.72%	9.57%	6.67%	6.41%	21.24%	31.14%	25.76%	25.64%	18.43%	23.09%	26.09%	28.05%	23.42%	21.76%

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CVS Combination Red Flagged Prescriptions Summary
Lake County, OH
Red Flag Computation 1-43, in MME

	Total	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Total MME of Combination Red Flagged Prescriptions	101,134,872	2,525,523	4,177,661	5,741,331	8,105,786	10,895,139	14,727,505	13,434,327	12,463,919	9,278,165	6,252,633	5,001,272	3,850,663	2,448,121	2,232,827
Total MME of Combination Red Flagged Opioid Prescriptions	101,134,872	2,525,523	4,177,661	5,741,331	8,105,786	10,895,139	14,727,505	13,434,327	12,463,919	9,278,165	6,252,633	5,001,272	3,850,663	2,448,121	2,232,827
Red Flag Computation 37	1,369,460	0	0	72,900	294,905	370,020	438,485	185,025	1,150	700	200	750	1,875	3,150	300
	1.35%	0.00%	0.00%	1.27%	3.64%	3.40%	2.98%	1.38%	0.01%	0.01%	0.00%	0.01%	0.05%	0.13%	0.01%
Red Flag Computation 38	21,033,691	913,200	1,132,849	1,680,016	2,075,332	2,614,184	2,994,971	2,673,574	2,166,444	1,616,944	1,123,032	824,884	593,847	342,310	282,104
	20.80%	36.16%	27.12%	29.26%	25.60%	23.99%	20.34%	19.90%	17.38%	17.43%	17.96%	16.49%	15.42%	13.98%	12.63%
Red Flag Computation 39	1,678,959	97,873	47,503	126,610	201,512	262,990	220,555	181,853	201,250	137,583	67,088	82,933	29,885	19,013	2,315
	1.66%	3.88%	1.14%	2.21%	2.49%	2.41%	1.50%	1.35%	1.61%	1.48%	1.07%	1.66%	0.78%	0.78%	0.10%
Red Flag Computation 40	2,499,877	136,403	190,972	182,768	342,103	202,888	296,980	261,275	381,453	255,384	154,659	31,825	28,131	10,803	24,234
	2.47%	5.40%	4.57%	3.18%	4.22%	1.86%	2.02%	1.94%	3.06%	2.75%	2.47%	0.64%	0.73%	0.44%	1.09%
Red Flag Computation 41	8,616,037	354,559	427,000	627,090	930,064	1,185,977	1,245,392	1,338,813	865,119	634,893	355,505	262,119	215,711	103,440	70,359
	8.52%	14.04%	10.22%	10.92%	11.47%	10.89%	8.46%	9.97%	6.94%	6.84%	5.69%	5.24%	5.60%	4.23%	3.15%
Red Flag Computation 42	4,555,831	187,336	206,293	307,318	571,913	535,222	636,241	551,592	580,129	365,653	260,948	178,335	63,449	66,218	45,188
	4.50%	7.42%	4.94%	5.35%	7.06%	4.91%	4.32%	4.11%	4.65%	3.94%	4.17%	3.57%	1.65%	2.70%	2.02%
Red Flag Computation 43	151,139	10,115	21,920	7,560	11,825	29,144	36,715	7,660	8,610	16,210	825	450	105	0	0
	0.15%	0.40%	0.52%	0.13%	0.15%	0.27%	0.25%	0.06%	0.07%	0.17%	0.01%	0.01%	0.00%	0.00%	0.00%
Flagged for Any of the Red Flag Computation 1-43	101,134,872	2,525,523	4,177,661	5,741,331	8,105,786	10,895,139	14,727,505	13,434,327	12,463,919	9,278,165	6,252,633	5,001,272	3,850,663	2,448,121	2,232,827
	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%

Notes

Defendant	Date Range
CVS	January 1, 2006 to November 29, 2019
Giant Eagle/HBC	January 1, 2006 to December 3, 2019
Rite Aid	January 1, 2006 to November 19, 2019
Walgreens	January 3, 2006 to January 3, 2020
Wal-Mart	January 2, 2006 to April 25, 2018

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CVS Combination Red Flagged Prescriptions Summary
Trumbull County, OH
Red Flag Computation 1-43, in # of Prescriptions

	Total	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Total # of Combination Red Flagged Prescriptions	68,064	4,966	4,995	5,614	5,728	6,597	6,434	5,764	5,292	5,197	3,934	4,081	3,506	3,468	2,488
Total # of Combination Red Flagged Opioid Prescriptions	50,585	3,540	3,607	4,049	4,108	4,746	4,652	4,182	3,964	4,011	3,077	3,249	2,726	2,740	1,934
Red Flag Computation 1	1,577	101	141	172	143	174	159	161	117	76	58	92	59	69	55
	3.12%	2.85%	3.91%	4.25%	3.48%	3.67%	3.42%	3.85%	2.95%	1.89%	1.88%	2.83%	2.16%	2.52%	2.84%
Red Flag Computation 2	18,654	854	849	944	857	1,385	1,610	1,606	1,676	1,783	1,450	1,561	1,527	1,643	909
	36.88%	24.12%	23.54%	23.31%	20.86%	29.18%	34.61%	38.40%	42.28%	44.45%	47.12%	48.05%	56.02%	59.96%	47.00%
Red Flag Computation 3	8,384	582	698	818	953	1,003	906	699	662	589	367	440	240	267	160
	16.57%	16.44%	19.35%	20.20%	23.20%	21.13%	19.48%	16.71%	16.70%	14.68%	11.93%	13.54%	8.80%	9.74%	8.27%
Red Flag Computation 4	2,180	51	120	204	262	231	324	189	130	171	180	99	82	83	54
	4.31%	1.44%	3.33%	5.04%	6.38%	4.87%	6.96%	4.52%	3.28%	4.26%	5.85%	3.05%	3.01%	3.03%	2.79%
Red Flag Computation 5	9,160	813	783	771	901	1,072	962	810	633	597	512	355	390	339	222
	13.46%	16.37%	15.68%	13.73%	15.73%	16.25%	14.95%	14.05%	11.96%	11.49%	13.01%	8.70%	11.12%	9.78%	8.92%
Red Flag Computation 6	3,062	309	246	275	279	299	334	335	190	194	232	95	131	76	67
	4.50%	6.22%	4.92%	4.90%	4.87%	4.53%	5.19%	5.81%	3.59%	3.73%	5.90%	2.33%	3.74%	2.19%	2.69%
Red Flag Computation 7	38,836	3,036	3,096	3,424	3,583	3,999	3,794	3,407	2,922	2,688	2,033	2,083	1,836	1,685	1,250
	57.06%	61.14%	61.98%	60.99%	62.55%	60.62%	58.97%	59.11%	55.22%	51.72%	51.68%	51.04%	52.37%	48.59%	50.24%
Red Flag Computation 8	28,876	2,285	2,214	2,594	2,669	2,947	2,852	2,608	2,259	2,001	1,467	1,427	1,321	1,274	958
	42.42%	46.01%	44.32%	46.21%	46.60%	44.67%	44.33%	45.25%	42.69%	38.50%	37.29%	34.97%	37.68%	36.74%	38.50%
Red Flag Computation 9	1,938	116	116	78	122	172	158	100	141	225	232	254	114	48	62
	3.83%	3.28%	3.22%	1.93%	2.97%	3.62%	3.40%	2.39%	3.56%	5.61%	7.54%	7.82%	4.18%	1.75%	3.21%
Red Flag Computation 10	1,735	108	104	117	165	135	125	70	45	42	53	62	43	30	636
	3.43%	3.05%	2.88%	2.89%	4.02%	2.84%	2.69%	1.67%	1.14%	1.05%	1.72%	1.91%	1.58%	1.09%	32.89%
Red Flag Computation 11	1,185	108	104	117	165	135	125	70	45	42	53	62	43	30	86
	2.34%	3.05%	2.88%	2.89%	4.02%	2.84%	2.69%	1.67%	1.14%	1.05%	1.72%	1.91%	1.58%	1.09%	4.45%
Red Flag Computation 12	2,043	119	61	79	103	192	205	204	240	260	163	162	82	125	48
	4.04%	3.36%	1.69%	1.95%	2.51%	4.05%	4.41%	4.88%	6.05%	6.48%	5.30%	4.99%	3.01%	4.56%	2.48%
Red Flag Computation 13	1,542	105	53	68	141	136	140	106	165	168	125	142	86	72	35
	3.05%	2.97%	1.47%	1.68%	3.43%	2.87%	3.01%	2.53%	4.16%	4.19%	4.06%	4.37%	3.15%	2.63%	1.81%
Red Flag Computation 14	878	97	113	155	139	134	100	72	48	20	0	0	0	0	0
	1.74%	2.74%	3.13%	3.83%	3.38%	2.82%	2.15%	1.72%	1.21%	0.50%	0.00%	0.00%	0.00%	0.00%	0.00%
Red Flag Computation 15	14,303	1,086	1,264	1,462	1,493	1,609	1,388	1,028	864	937	728	830	629	572	413
	28.28%	30.68%	35.04%	36.11%	36.34%	33.90%	29.84%	24.58%	21.80%	23.36%	23.66%	25.55%	23.07%	20.88%	21.35%
Red Flag Computation 16	3,913	409	378	445	413	450	336	352	320	204	95	69	118	176	148
	7.74%	11.55%	10.48%	10.99%	10.05%	9.48%	7.22%	8.42%	8.07%	5.09%	3.09%	2.12%	4.33%	6.42%	7.65%
Red Flag Computation 17	11,836	576	549	631	583	823	910	868	935	963	819	1,049	1,168	1,229	733
	17.39%	11.60%	10.99%	11.24%	10.18%	12.48%	14.14%	15.06%	17.67%	18.53%	20.82%	25.70%	33.31%	35.44%	29.46%
Red Flag Computation 18	4,198	256	282	304	353	399	475	370	347	371	288	271	150	177	155
	8.30%	7.23%	7.82%	7.51%	8.59%	8.41%	10.21%	8.85%	8.75%	9.25%	9.36%	8.34%	5.50%	6.46%	8.01%

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CVS Combination Red Flagged Prescriptions Summary
Trumbull County, OH
Red Flag Computation 1-43, in # of Prescriptions

	Total	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Total # of Combination Red Flagged Prescriptions	68,064	4,966	4,995	5,614	5,728	6,597	6,434	5,764	5,292	5,197	3,934	4,081	3,506	3,468	2,488
Total # of Combination Red Flagged Opioid Prescriptions	50,585	3,540	3,607	4,049	4,108	4,746	4,652	4,182	3,964	4,011	3,077	3,249	2,726	2,740	1,934
Red Flag Computation 19	1,738	108	104	119	168	186	214	152	142	154	117	98	60	57	59
	3.44%	3.05%	2.88%	2.94%	4.09%	3.92%	4.60%	3.63%	3.58%	3.84%	3.80%	3.02%	2.20%	2.08%	3.05%
Red Flag Computation 20	3,853	300	322	391	450	493	431	276	252	225	183	173	115	135	107
	7.62%	8.47%	8.93%	9.66%	10.95%	10.39%	9.26%	6.60%	6.36%	5.61%	5.95%	5.32%	4.22%	4.93%	5.53%
Red Flag Computation 21	3,548	242	270	295	289	351	329	344	399	324	177	219	124	109	76
	7.01%	6.84%	7.49%	7.29%	7.04%	7.40%	7.07%	8.23%	10.07%	8.08%	5.75%	6.74%	4.55%	3.98%	3.93%
Red Flag Computation 22	53	4	1	10	3	7	8	7	5	1	0	3	1	3	0
	0.10%	0.11%	0.03%	0.25%	0.07%	0.15%	0.17%	0.17%	0.13%	0.02%	0.00%	0.09%	0.04%	0.11%	0.00%
Red Flag Computation 23	67	7	4	10	3	7	16	6	7	0	0	5	1	1	0
	0.13%	0.20%	0.11%	0.25%	0.07%	0.15%	0.34%	0.14%	0.18%	0.00%	0.00%	0.15%	0.04%	0.04%	0.00%
Red Flag Computation 24	2,251	50	121	224	282	269	366	217	139	166	113	74	70	78	82
	4.45%	1.41%	3.35%	5.53%	6.86%	5.67%	7.87%	5.19%	3.51%	4.14%	3.67%	2.28%	2.57%	2.85%	4.24%
Red Flag Computation 25	1,237	68	34	51	60	108	124	143	143	170	101	94	45	63	33
	2.45%	1.92%	0.94%	1.26%	1.46%	2.28%	2.67%	3.42%	3.61%	4.24%	3.28%	2.89%	1.65%	2.30%	1.71%
Red Flag Computation 26	1,260	83	40	57	99	104	116	91	137	151	104	132	66	53	27
	2.49%	2.34%	1.11%	1.41%	2.41%	2.19%	2.49%	2.18%	3.46%	3.76%	3.38%	4.06%	2.42%	1.93%	1.40%
Red Flag Computation 27	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Red Flag Computation 28	2	0	0	0	2	0	0	0	0	0	0	0	0	0	0
	0.00%	0.00%	0.00%	0.00%	0.05%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Red Flag Computation 29	690	79	80	124	100	102	84	62	41	18	0	0	0	0	0
	1.36%	2.23%	2.22%	3.06%	2.43%	2.15%	1.81%	1.48%	1.03%	0.45%	0.00%	0.00%	0.00%	0.00%	0.00%
Red Flag Computation 30	2,512	270	274	335	322	347	285	170	156	130	90	45	27	40	21
	4.97%	7.63%	7.60%	8.27%	7.84%	7.31%	6.13%	4.07%	3.94%	3.24%	2.92%	1.39%	0.99%	1.46%	1.09%
Red Flag Computation 31	3,106	118	249	209	250	282	258	181	238	283	297	291	176	129	145
	6.14%	3.33%	6.90%	5.16%	6.09%	5.94%	5.55%	4.33%	6.00%	7.06%	9.65%	8.96%	6.46%	4.71%	7.50%
Red Flag Computation 32	122	25	15	30	9	12	8	9	9	3	0	0	0	0	2
	0.24%	0.71%	0.42%	0.74%	0.22%	0.25%	0.17%	0.22%	0.23%	0.07%	0.00%	0.00%	0.00%	0.00%	0.10%
Red Flag Computation 33	555	70	157	74	34	58	21	12	14	8	10	18	5	33	41
	1.10%	1.98%	4.35%	1.83%	0.83%	1.22%	0.45%	0.29%	0.35%	0.20%	0.32%	0.55%	0.18%	1.20%	2.12%
Red Flag Computation 34	335	1	3	5	12	22	26	21	27	20	62	73	37	10	16
	0.66%	0.03%	0.08%	0.12%	0.29%	0.46%	0.56%	0.50%	0.68%	0.50%	2.01%	2.25%	1.36%	0.36%	0.83%
Red Flag Computation 35	4,809	589	609	608	471	527	304	301	183	240	117	274	185	160	241
	9.51%	16.64%	16.88%	15.02%	11.47%	11.10%	6.53%	7.20%	4.62%	5.98%	3.80%	8.43%	6.79%	5.84%	12.46%
Red Flag Computation 36	9,413	245	254	220	157	522	751	853	931	1,061	806	945	1,037	1,179	452
	18.61%	6.92%	7.04%	5.43%	3.82%	11.00%	16.14%	20.40%	23.49%	26.45%	26.19%	29.09%	38.04%	43.03%	23.37%

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CVS Combination Red Flagged Prescriptions Summary
Trumbull County, OH
Red Flag Computation 1-43, in # of Prescriptions

	Total	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Total # of Combination Red Flagged Prescriptions	68,064	4,966	4,995	5,614	5,728	6,597	6,434	5,764	5,292	5,197	3,934	4,081	3,506	3,468	2,488
Total # of Combination Red Flagged Opioid Prescriptions	50,585	3,540	3,607	4,049	4,108	4,746	4,652	4,182	3,964	4,011	3,077	3,249	2,726	2,740	1,934
Red Flag Computation 37	21	4	0	0	5	3	6	3	0	0	0	0	0	0	0
	0.04%	0.11%	0.00%	0.00%	0.12%	0.06%	0.13%	0.07%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Red Flag Computation 38	35,944	2,858	2,826	3,277	3,400	3,804	3,643	3,212	2,815	2,535	1,836	1,636	1,514	1,436	1,152
	52.81%	57.55%	56.58%	58.37%	59.36%	57.66%	56.62%	55.73%	53.19%	48.78%	46.67%	40.09%	43.18%	41.41%	46.30%
Red Flag Computation 39	2,847	291	238	267	272	265	310	309	181	176	206	92	119	65	56
	4.18%	5.86%	4.76%	4.76%	4.75%	4.02%	4.82%	5.36%	3.42%	3.39%	5.24%	2.25%	3.39%	1.87%	2.25%
Red Flag Computation 40	781	95	93	100	108	95	61	49	46	43	28	36	7	9	11
	1.54%	2.68%	2.58%	2.47%	2.63%	2.00%	1.31%	1.17%	1.16%	1.07%	0.91%	1.11%	0.26%	0.33%	0.57%
Red Flag Computation 41	14,216	1,180	1,213	1,301	1,455	1,714	1,544	1,253	1,053	850	508	557	556	597	435
	20.89%	23.76%	24.28%	23.17%	25.40%	25.98%	24.00%	21.74%	19.90%	16.36%	12.91%	13.65%	15.86%	17.21%	17.48%
Red Flag Computation 42	3,579	468	410	356	391	478	301	201	194	209	140	141	116	66	108
	5.26%	9.42%	8.21%	6.34%	6.83%	7.25%	4.68%	3.49%	3.67%	4.02%	3.56%	3.46%	3.31%	1.90%	4.34%
Red Flag Computation 43	286	17	45	37	49	59	30	24	9	12	2	0	0	0	2
	0.42%	0.34%	0.90%	0.66%	0.86%	0.89%	0.47%	0.42%	0.17%	0.23%	0.05%	0.00%	0.00%	0.00%	0.08%
Flagged for Any of the Red Flag Computation 1-43	68,064	4,966	4,995	5,614	5,728	6,597	6,434	5,764	5,292	5,197	3,934	4,081	3,506	3,468	2,488
	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%

Notes

Defendant	Date Range
CVS	January 1, 2006 to November 29, 2019
Giant Eagle/HBC	January 1, 2006 to December 3, 2019
Rite Aid	January 1, 2006 to November 19, 2019
Walgreens	January 3, 2006 to January 3, 2020
Wal-Mart	January 2, 2006 to April 25, 2018

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CVS Combination Red Flagged Prescriptions Summary
Trumbull County, OH
Red Flag Computation 1-43, in Dosage Units

	Total	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Total Dosage Units of Combination Red Flagged Prescriptions	4,988,603	318,665	334,775	396,448	423,060	482,219	481,104	414,117	387,336	376,697	300,984	327,221	284,233	276,784	184,960
Total Dosage Units of Combination Red Flagged Opioid Prescriptions	3,864,862	229,548	245,422	294,137	313,665	362,817	366,634	315,342	304,896	303,335	245,122	271,677	234,242	227,980	150,045
Red Flag Computation 1	95,613	5,090	8,769	11,412	9,851	12,095	10,110	10,067	6,284	5,049	3,107	4,257	3,943	3,270	2,309
	2.47%	2.22%	3.57%	3.88%	3.14%	3.33%	2.76%	3.19%	2.06%	1.66%	1.27%	1.57%	1.68%	1.43%	1.54%
Red Flag Computation 2	1,254,729	47,906	44,484	56,104	56,014	85,514	105,378	98,793	109,309	116,517	97,350	120,571	119,572	131,014	66,203
	32.47%	20.87%	18.13%	19.07%	17.86%	23.57%	28.74%	31.33%	35.85%	38.41%	39.71%	44.38%	51.05%	57.47%	44.12%
Red Flag Computation 3	582,537	37,999	46,980	56,907	69,895	71,581	65,457	50,706	45,146	38,738	26,470	30,105	17,104	16,914	8,535
	15.07%	16.55%	19.14%	19.35%	22.28%	19.73%	17.85%	16.08%	14.81%	12.77%	10.80%	11.08%	7.30%	7.42%	5.69%
Red Flag Computation 4	177,690	2,972	8,861	17,031	19,761	17,970	26,512	16,593	9,053	12,982	17,535	8,556	7,452	6,946	5,466
	4.60%	1.29%	3.61%	5.79%	6.30%	4.95%	7.23%	5.26%	2.97%	4.28%	7.15%	3.15%	3.18%	3.05%	3.64%
Red Flag Computation 5	730,165	61,141	61,351	59,214	69,578	81,563	76,350	62,930	51,051	46,289	43,520	30,803	34,170	31,759	20,446
	14.64%	19.19%	18.33%	14.94%	16.45%	16.91%	15.87%	15.20%	13.18%	12.29%	14.46%	9.41%	12.02%	11.47%	11.05%
Red Flag Computation 6	236,872	24,836	20,524	22,689	18,794	21,237	24,646	23,919	14,150	12,380	18,912	9,314	11,483	7,253	6,735
	4.75%	7.79%	6.13%	5.72%	4.44%	4.40%	5.12%	5.78%	3.65%	3.29%	6.28%	2.85%	4.04%	2.62%	3.64%
Red Flag Computation 7	2,974,679	204,362	220,022	256,104	275,724	305,874	293,830	259,932	225,423	204,769	164,658	171,172	151,681	142,373	98,755
	59.63%	64.13%	65.72%	64.60%	65.17%	63.43%	61.07%	62.77%	58.20%	54.36%	54.71%	52.31%	53.37%	51.44%	53.39%
Red Flag Computation 8	2,224,113	157,929	163,428	197,862	207,068	228,712	218,563	198,481	172,250	150,805	118,363	117,200	108,453	108,077	76,922
	44.58%	49.56%	48.82%	49.91%	48.95%	47.43%	45.43%	47.93%	44.47%	40.03%	39.33%	35.82%	38.16%	39.05%	41.59%
Red Flag Computation 9	170,347	9,935	9,768	7,595	10,330	15,749	14,483	9,504	13,208	18,019	20,249	20,795	9,872	4,566	6,274
	4.41%	4.33%	3.98%	2.58%	3.29%	4.34%	3.95%	3.01%	4.33%	5.94%	8.26%	7.65%	4.21%	2.00%	4.18%
Red Flag Computation 10	165,082	8,402	7,852	9,398	14,174	11,898	11,778	6,746	3,540	3,510	6,130	6,108	7,050	7,470	61,026
	4.27%	3.66%	3.20%	3.20%	4.52%	3.28%	3.21%	2.14%	1.16%	1.16%	2.50%	2.25%	3.01%	3.28%	40.67%
Red Flag Computation 11	114,904	8,402	7,852	9,398	14,174	11,898	11,778	6,746	3,540	3,510	6,130	6,108	7,050	7,470	10,848
	2.97%	3.66%	3.20%	3.20%	4.52%	3.28%	3.21%	2.14%	1.16%	1.16%	2.50%	2.25%	3.01%	3.28%	7.23%
Red Flag Computation 12	183,576	5,614	2,958	6,002	8,939	17,981	19,625	17,056	21,925	26,805	15,242	15,162	8,426	13,108	4,733
	4.75%	2.45%	1.21%	2.04%	2.85%	4.96%	5.35%	5.41%	7.19%	8.84%	6.22%	5.58%	3.60%	5.75%	3.15%
Red Flag Computation 13	128,399	5,012	2,917	5,506	9,930	11,810	12,589	9,538	12,945	17,700	11,556	11,448	7,183	6,965	3,300
	3.32%	2.18%	1.19%	1.87%	3.17%	3.26%	3.43%	3.02%	4.25%	5.84%	4.71%	4.21%	3.07%	3.06%	2.20%
Red Flag Computation 14	79,738	7,738	8,776	13,228	11,762	11,410	11,299	7,875	5,753	1,897	0	0	0	0	0
	2.06%	3.37%	3.58%	4.50%	3.75%	3.14%	3.08%	2.50%	1.89%	0.63%	0.00%	0.00%	0.00%	0.00%	0.00%
Red Flag Computation 15	1,225,118	81,474	89,245	114,961	128,899	135,185	126,367	94,483	80,704	82,798	66,014	75,680	61,991	52,879	34,438
	31.70%	35.49%	36.36%	39.08%	41.09%	37.26%	34.47%	29.96%	26.47%	27.30%	26.93%	27.86%	26.46%	23.19%	22.95%
Red Flag Computation 16	222,883	18,978	17,974	22,506	23,486	25,981	19,703	21,368	20,616	10,900	5,135	5,003	7,556	12,209	11,468
	5.77%	8.27%	7.32%	7.65%	7.49%	7.16%	5.37%	6.78%	6.76%	3.59%	2.09%	1.84%	3.23%	5.36%	7.64%
Red Flag Computation 17	871,683	34,724	31,526	39,813	42,808	53,742	63,010	63,056	66,000	71,201	64,044	87,245	94,959	101,708	57,847
	17.47%	10.90%	9.42%	10.04%	10.12%	11.14%	13.10%	15.23%	17.04%	18.90%	21.28%	26.66%	33.41%	36.75%	31.28%
Red Flag Computation 18	213,075	12,754	15,571	17,218	20,252	20,925	26,254	17,229	16,739	18,849	14,956	12,849	6,272	7,588	5,619
	5.51%	5.56%	6.34%	5.85%	6.46%	5.77%	7.16%	5.46%	5.49%	6.21%	6.10%	4.73%	2.68%	3.33%	3.74%

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CVS Combination Red Flagged Prescriptions Summary
Trumbull County, OH
Red Flag Computation 1-43, in Dosage Units

	Total	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Total Dosage Units of Combination Red Flagged Prescriptions	4,988,603	318,665	334,775	396,448	423,060	482,219	481,104	414,117	387,336	376,697	300,984	327,221	284,233	276,784	184,960
Total Dosage Units of Combination Red Flagged Opioid Prescriptions	3,864,862	229,548	245,422	294,137	313,665	362,817	366,634	315,342	304,896	303,335	245,122	271,677	234,242	227,980	150,045
Red Flag Computation 19	90,353	5,106	6,404	6,653	8,502	10,056	12,341	8,040	6,189	8,695	6,559	4,220	2,567	2,607	2,414
	2.34%	2.22%	2.61%	2.26%	2.71%	2.77%	3.37%	2.55%	2.03%	2.87%	2.68%	1.55%	1.10%	1.14%	1.61%
Red Flag Computation 20	209,817	16,503	18,903	22,442	24,063	28,252	24,556	15,646	11,856	12,437	10,480	8,820	5,145	6,001	4,713
	5.43%	7.19%	7.70%	7.63%	7.67%	7.79%	6.70%	4.96%	3.89%	4.10%	4.28%	3.25%	2.20%	2.63%	3.14%
Red Flag Computation 21	201,687	13,089	16,244	15,587	15,159	19,894	19,824	19,949	23,830	19,731	10,674	12,723	6,505	5,117	3,361
	5.22%	5.70%	6.62%	5.30%	4.83%	5.48%	5.41%	6.33%	7.82%	6.50%	4.35%	4.68%	2.78%	2.24%	2.24%
Red Flag Computation 22	2,237	105	40	389	96	248	458	530	140	20	0	71	30	110	0
	0.06%	0.05%	0.02%	0.13%	0.03%	0.07%	0.12%	0.17%	0.05%	0.01%	0.00%	0.03%	0.01%	0.05%	0.00%
Red Flag Computation 23	3,167	229	232	457	140	138	1,042	510	180	0	0	167	60	12	0
	0.08%	0.10%	0.09%	0.16%	0.04%	0.04%	0.28%	0.16%	0.06%	0.00%	0.00%	0.06%	0.03%	0.01%	0.00%
Red Flag Computation 24	169,087	2,532	8,274	16,985	19,789	19,052	28,173	16,945	8,758	12,701	10,744	6,589	6,165	5,824	6,556
	4.37%	1.10%	3.37%	5.77%	6.31%	5.25%	7.68%	5.37%	2.87%	4.19%	4.38%	2.43%	2.63%	2.55%	4.37%
Red Flag Computation 25	111,119	3,117	1,485	3,962	5,297	10,327	11,994	11,630	13,451	17,164	9,577	8,608	4,633	6,526	3,348
	2.88%	1.36%	0.61%	1.35%	1.69%	2.85%	3.27%	3.69%	4.41%	5.66%	3.91%	3.17%	1.98%	2.86%	2.23%
Red Flag Computation 26	105,312	4,031	2,214	4,726	7,026	9,043	10,377	8,226	10,545	15,750	9,520	10,662	5,385	5,217	2,590
	2.72%	1.76%	0.90%	1.61%	2.24%	2.49%	2.83%	2.61%	3.46%	5.19%	3.88%	3.92%	2.30%	2.29%	1.73%
Red Flag Computation 27	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Red Flag Computation 28	150	0	0	0	150	0	0	0	0	0	0	0	0	0	0
	0.00%	0.00%	0.00%	0.00%	0.05%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Red Flag Computation 29	61,119	6,244	5,341	10,453	8,132	8,255	9,559	6,665	4,678	1,792	0	0	0	0	0
	1.58%	2.72%	2.18%	3.55%	2.59%	2.28%	2.61%	2.11%	1.53%	0.59%	0.00%	0.00%	0.00%	0.00%	0.00%
Red Flag Computation 30	212,807	19,428	20,884	27,523	27,226	30,071	28,352	16,224	14,336	13,092	6,463	3,165	2,309	2,435	1,299
	5.51%	8.46%	8.51%	9.36%	8.68%	8.29%	7.73%	5.14%	4.70%	4.32%	2.64%	1.16%	0.99%	1.07%	0.87%
Red Flag Computation 31	323,771	10,120	20,968	17,910	26,100	31,215	33,323	22,730	26,222	27,618	28,005	28,937	23,135	15,334	12,154
	8.38%	4.41%	8.54%	6.09%	8.32%	8.60%	9.09%	7.21%	8.60%	9.10%	11.42%	10.65%	9.88%	6.73%	8.10%
Red Flag Computation 32	8,519	940	320	1,780	1,190	740	575	960	1,180	360	0	0	0	0	474
	0.22%	0.41%	0.13%	0.61%	0.38%	0.20%	0.16%	0.30%	0.39%	0.12%	0.00%	0.00%	0.00%	0.00%	0.32%
Red Flag Computation 33	26,841	2,782	8,759	3,991	1,349	2,650	961	702	1,054	350	332	1,105	114	1,114	1,578
	0.69%	1.21%	3.57%	1.36%	0.43%	0.73%	0.26%	0.22%	0.35%	0.12%	0.14%	0.41%	0.05%	0.49%	1.05%
Red Flag Computation 34	33,514	0	240	390	750	1,530	1,980	1,770	2,010	1,660	7,600	8,554	4,430	1,050	1,550
	0.87%	0.00%	0.10%	0.13%	0.24%	0.42%	0.54%	0.56%	0.66%	0.55%	3.10%	3.15%	1.89%	0.46%	1.03%
Red Flag Computation 35	244,293	27,402	27,767	29,184	23,786	26,510	15,694	16,708	9,513	13,114	7,516	18,712	11,914	6,883	9,590
	6.32%	11.94%	11.31%	9.92%	7.58%	7.31%	4.28%	5.30%	3.12%	4.32%	3.07%	6.89%	5.09%	3.02%	6.39%
Red Flag Computation 36	650,049	13,940	11,320	11,555	6,727	28,771	45,562	48,748	61,593	68,346	52,570	78,324	85,304	98,398	38,891
	16.82%	6.07%	4.61%	3.93%	2.14%	7.93%	12.43%	15.46%	20.20%	22.53%	21.45%	28.83%	36.42%	43.16%	25.92%

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CVS Combination Red Flagged Prescriptions Summary
Trumbull County, OH
Red Flag Computation 1-43, in Dosage Units

	Total	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Total Dosage Units of Combination Red Flagged Prescriptions	4,988,603	318,665	334,775	396,448	423,060	482,219	481,104	414,117	387,336	376,697	300,984	327,221	284,233	276,784	184,960
Total Dosage Units of Combination Red Flagged Opioid Prescriptions	3,864,862	229,548	245,422	294,137	313,665	362,817	366,634	315,342	304,896	303,335	245,122	271,677	234,242	227,980	150,045
Red Flag Computation 37	2,460	450	0	0	570	360	720	360	0	0	0	0	0	0	0
	0.06%	0.20%	0.00%	0.00%	0.18%	0.10%	0.20%	0.11%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Red Flag Computation 38	2,759,317	198,541	208,125	249,642	265,002	294,519	281,979	247,639	217,042	188,731	144,367	132,683	120,758	118,912	91,377
	55.31%	62.30%	62.17%	62.97%	62.64%	61.08%	58.61%	59.80%	56.03%	50.10%	47.97%	40.55%	42.49%	42.96%	49.40%
Red Flag Computation 39	219,719	23,678	19,634	22,154	18,014	18,957	22,946	22,024	13,340	11,048	16,585	8,984	10,647	6,173	5,535
	4.40%	7.43%	5.86%	5.59%	4.26%	3.93%	4.77%	5.32%	3.44%	2.93%	5.51%	2.75%	3.75%	2.23%	2.99%
Red Flag Computation 40	55,274	5,429	5,708	5,644	7,499	6,965	4,170	3,360	3,786	3,633	3,570	4,150	390	360	610
	1.43%	2.37%	2.33%	1.92%	2.39%	1.92%	1.14%	1.07%	1.24%	1.20%	1.46%	1.53%	0.17%	0.16%	0.41%
Red Flag Computation 41	1,131,244	79,801	91,879	101,885	115,479	131,488	122,890	101,219	82,987	64,888	43,221	47,640	50,569	56,680	40,618
	22.68%	25.04%	27.45%	25.70%	27.30%	27.27%	25.54%	24.44%	21.43%	17.23%	14.36%	14.56%	17.79%	20.48%	21.96%
Red Flag Computation 42	216,824	25,309	23,264	21,236	22,945	25,771	17,272	10,500	10,609	12,315	10,880	10,214	11,168	6,871	8,470
	4.35%	7.94%	6.95%	5.36%	5.42%	5.34%	3.59%	2.54%	2.74%	3.27%	3.61%	3.12%	3.93%	2.48%	4.58%
Red Flag Computation 43	14,203	778	1,608	1,891	2,243	2,756	1,920	1,520	545	642	90	0	0	0	210
	0.28%	0.24%	0.48%	0.48%	0.53%	0.57%	0.40%	0.37%	0.14%	0.17%	0.03%	0.00%	0.00%	0.00%	0.11%
Flagged for Any of the Red Flag Computation 1-43	4,988,603	318,665	334,775	396,448	423,060	482,219	481,104	414,117	387,336	376,697	300,984	327,221	284,233	276,784	184,960
	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%

Notes

Defendant	Date Range
CVS	January 1, 2006 to November 29, 2019
Giant Eagle/HBC	January 1, 2006 to December 3, 2019
Rite Aid	January 1, 2006 to November 19, 2019
Walgreens	January 3, 2006 to January 3, 2020
Wal-Mart	January 2, 2006 to April 25, 2018

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CVS Combination Red Flagged Prescriptions Summary
Trumbull County, OH
Red Flag Computation 1-43, in MME

	Total	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Total MME of Combination Red Flagged Prescriptions	55,694,361	3,685,377	3,750,431	4,411,361	4,997,658	5,534,923	5,553,719	4,201,737	3,876,832	3,943,136	3,359,122	3,790,069	3,283,401	3,163,408	2,143,187
Total MME of Combination Red Flagged Opioid Prescriptions	55,694,361	3,685,377	3,750,431	4,411,361	4,997,658	5,534,923	5,553,719	4,201,737	3,876,832	3,943,136	3,359,122	3,790,069	3,283,401	3,163,408	2,143,187
Red Flag Computation 1	1,316,384	95,702	120,505	208,830	115,063	195,473	162,113	117,575	73,445	51,843	27,793	43,935	44,993	26,518	32,600
	2.36%	2.60%	3.21%	4.73%	2.30%	3.53%	2.92%	2.80%	1.89%	1.31%	0.83%	1.16%	1.37%	0.84%	1.52%
Red Flag Computation 2	17,742,340	750,068	736,864	908,606	967,386	1,489,344	1,844,635	1,547,247	1,341,319	1,433,593	1,182,090	1,549,555	1,558,643	1,631,249	801,743
	31.86%	20.35%	19.65%	20.60%	19.36%	26.91%	33.21%	36.82%	34.60%	36.36%	35.19%	40.88%	47.47%	51.57%	37.41%
Red Flag Computation 3	9,942,462	659,992	845,399	969,259	1,244,208	1,442,677	1,117,205	800,931	734,925	685,886	381,313	486,180	249,198	211,740	113,549
	17.85%	17.91%	22.54%	21.97%	24.90%	26.06%	20.12%	19.06%	18.96%	17.39%	11.35%	12.83%	7.59%	6.69%	5.30%
Red Flag Computation 4	2,748,538	51,873	107,148	201,718	304,260	281,495	507,403	225,418	186,460	239,516	231,459	110,435	91,315	111,870	98,170
	4.94%	1.41%	2.86%	4.57%	6.09%	5.09%	9.14%	5.36%	4.81%	6.07%	6.89%	2.91%	2.78%	3.54%	4.58%
Red Flag Computation 5	6,813,502	553,052	497,827	552,499	686,803	856,478	687,126	438,847	370,492	392,148	444,100	372,107	386,839	343,243	231,945
	12.23%	15.01%	13.27%	12.52%	13.74%	15.47%	12.37%	10.44%	9.56%	9.95%	13.22%	9.82%	11.78%	10.85%	10.82%
Red Flag Computation 6	1,588,676	145,208	103,925	165,730	107,530	127,588	106,720	111,869	68,650	66,668	208,380	118,224	106,809	83,653	67,725
	2.85%	3.94%	2.77%	3.76%	2.15%	2.31%	1.92%	2.66%	1.77%	1.69%	6.20%	3.12%	3.25%	2.64%	3.16%
Red Flag Computation 7	28,549,562	2,019,523	2,068,693	2,447,919	2,822,868	3,014,201	2,861,877	2,241,298	1,904,660	1,809,236	1,688,908	1,687,340	1,531,188	1,467,141	984,710
	51.26%	54.80%	55.16%	55.49%	56.48%	54.46%	51.53%	53.34%	49.13%	45.88%	50.28%	44.52%	46.63%	46.38%	45.95%
Red Flag Computation 8	17,625,164	1,278,983	1,236,850	1,547,680	1,690,831	1,717,683	1,684,566	1,376,758	1,248,726	1,084,478	1,134,852	937,678	986,625	1,021,868	677,586
	31.65%	34.70%	32.98%	35.08%	33.83%	31.03%	30.33%	32.77%	32.21%	27.50%	33.78%	24.74%	30.05%	32.30%	31.62%
Red Flag Computation 9	2,577,880	92,213	88,235	80,823	104,450	253,796	263,660	162,108	196,610	251,815	342,695	320,025	196,320	108,660	116,472
	4.63%	2.50%	2.35%	1.83%	2.09%	4.59%	4.75%	3.86%	5.07%	6.39%	10.20%	8.44%	5.98%	3.43%	5.43%
Red Flag Computation 10	10,897,501	992,640	904,095	1,025,310	1,377,210	1,170,870	1,075,545	633,000	383,550	387,000	458,730	476,250	395,250	318,150	1,299,901
	19.57%	26.93%	24.11%	23.24%	27.56%	21.15%	19.37%	15.07%	9.89%	9.81%	13.66%	12.57%	12.04%	10.06%	60.65%
Red Flag Computation 11	10,046,580	992,640	904,095	1,025,310	1,377,210	1,170,870	1,075,545	633,000	383,550	387,000	458,730	476,250	395,250	318,150	448,980
	18.04%	26.93%	24.11%	23.24%	27.56%	21.15%	19.37%	15.07%	9.89%	9.81%	13.66%	12.57%	12.04%	10.06%	20.95%
Red Flag Computation 12	1,852,815	46,600	25,280	53,778	84,733	174,053	187,810	160,408	216,590	278,473	169,558	171,650	86,595	140,495	56,795
	3.33%	1.26%	0.67%	1.22%	1.70%	3.14%	3.38%	3.82%	5.59%	7.06%	5.05%	4.53%	2.64%	4.44%	2.65%
Red Flag Computation 13	1,297,180	38,235	21,383	49,730	98,895	107,025	116,215	90,455	122,830	184,440	123,275	137,730	87,313	80,385	39,270
	2.33%	1.04%	0.57%	1.13%	1.98%	1.93%	2.09%	2.15%	3.17%	4.68%	3.67%	3.63%	2.66%	2.54%	1.83%
Red Flag Computation 14	714,645	63,973	73,105	125,693	104,495	117,925	102,230	63,413	46,790	17,023	0	0	0	0	0
	1.28%	1.74%	1.95%	2.85%	2.09%	2.13%	1.84%	1.51%	1.21%	0.43%	0.00%	0.00%	0.00%	0.00%	0.00%
Red Flag Computation 15	26,201,465	2,088,796	2,149,437	2,697,987	2,892,081	2,971,526	2,703,593	1,792,854	1,425,046	1,513,318	1,262,181	1,521,900	1,341,099	1,123,058	718,591
	47.05%	56.68%	57.31%	61.16%	57.87%	53.69%	48.68%	42.67%	36.76%	38.38%	37.57%	40.15%	40.84%	35.50%	33.53%
Red Flag Computation 16	2,506,225	182,975	156,292	214,982	248,429	267,161	202,703	193,388	212,340	111,948	59,968	65,309	138,329	212,603	239,801
	4.50%	4.96%	4.17%	4.87%	4.97%	4.83%	3.65%	4.60%	5.48%	2.84%	1.79%	1.72%	4.21%	6.72%	11.19%
Red Flag Computation 17	12,027,057	591,478	576,203	712,226	775,300	987,306	1,120,637	915,226	761,269	824,955	735,413	1,072,318	1,141,861	1,169,770	643,096
	21.59%	16.05%	15.36%	16.15%	15.51%	17.84%	20.18%	21.78%	19.64%	20.92%	21.89%	28.29%	34.78%	36.98%	30.01%
Red Flag Computation 18	2,530,834	122,900	205,917	215,923	190,911	280,960	391,756	243,118	201,623	195,381	163,684	147,603	54,135	64,206	52,718
	4.54%	3.33%	5.49%	4.89%	3.82%	5.08%	7.05%	5.79%	5.20%	4.95%	4.87%	3.89%	1.65%	2.03%	2.46%

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CVS Combination Red Flagged Prescriptions Summary
Trumbull County, OH
Red Flag Computation 1-43, in MME

	Total	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Total MME of Combination Red Flagged Prescriptions	55,694,361	3,685,377	3,750,431	4,411,361	4,997,658	5,534,923	5,553,719	4,201,737	3,876,832	3,943,136	3,359,122	3,790,069	3,283,401	3,163,408	2,143,187
Total MME of Combination Red Flagged Opioid Prescriptions	55,694,361	3,685,377	3,750,431	4,411,361	4,997,658	5,534,923	5,553,719	4,201,737	3,876,832	3,943,136	3,359,122	3,790,069	3,283,401	3,163,408	2,143,187
Red Flag Computation 19	1,346,988	46,140	77,945	107,655	95,334	197,759	267,636	158,041	74,958	90,863	88,328	68,833	25,623	23,660	24,215
	2.42%	1.25%	2.08%	2.44%	1.91%	3.57%	4.82%	3.76%	1.93%	2.30%	2.63%	1.82%	0.78%	0.75%	1.13%
Red Flag Computation 20	3,657,178	254,438	362,277	430,488	461,004	620,922	470,245	257,513	164,200	146,661	167,668	153,311	53,068	64,935	50,453
	6.57%	6.90%	9.66%	9.76%	9.22%	11.22%	8.47%	6.13%	4.24%	3.72%	4.99%	4.05%	1.62%	2.05%	2.35%
Red Flag Computation 21	3,180,102	162,250	309,775	223,794	195,760	373,428	314,223	332,110	387,208	333,181	150,384	212,160	94,803	52,799	38,230
	5.71%	4.40%	8.26%	5.07%	3.92%	6.75%	5.66%	7.90%	9.99%	8.45%	4.48%	5.60%	2.89%	1.67%	1.78%
Red Flag Computation 22	40,665	800	200	6,593	670	1,848	11,565	15,450	1,000	150	0	580	150	1,660	0
	0.07%	0.02%	0.01%	0.15%	0.01%	0.03%	0.21%	0.37%	0.03%	0.00%	0.00%	0.02%	0.00%	0.05%	0.00%
Red Flag Computation 23	82,143	1,645	2,068	12,303	1,000	1,023	40,335	20,250	1,725	0	0	1,285	450	60	0
	0.15%	0.04%	0.06%	0.28%	0.02%	0.02%	0.73%	0.48%	0.04%	0.00%	0.00%	0.03%	0.01%	0.00%	0.00%
Red Flag Computation 24	2,519,370	46,300	97,830	206,058	287,445	274,623	506,175	252,388	173,318	189,972	125,668	78,575	72,740	96,820	111,460
	4.52%	1.26%	2.61%	4.67%	5.75%	4.96%	9.11%	6.01%	4.47%	4.82%	3.74%	2.07%	2.22%	3.06%	5.20%
Red Flag Computation 25	1,123,008	25,675	12,695	36,128	50,573	99,113	116,100	108,458	132,220	177,920	107,050	98,150	48,243	69,765	40,920
	2.02%	0.70%	0.34%	0.82%	1.01%	1.79%	2.09%	2.58%	3.41%	4.51%	3.19%	2.59%	1.47%	2.21%	1.91%
Red Flag Computation 26	1,064,858	30,090	16,430	42,755	69,855	81,818	94,868	77,495	99,580	164,990	101,060	129,090	65,223	61,095	30,510
	1.91%	0.82%	0.44%	0.97%	1.40%	1.48%	1.71%	1.84%	2.57%	4.18%	3.01%	3.41%	1.99%	1.93%	1.42%
Red Flag Computation 27	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Red Flag Computation 28	1,500	0	0	0	1,500	0	0	0	0	0	0	0	0	0	0
	0.00%	0.00%	0.00%	0.00%	0.03%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Red Flag Computation 29	540,448	48,953	44,043	97,003	72,170	85,225	86,530	52,813	37,365	16,348	0	0	0	0	0
	0.97%	1.33%	1.17%	2.20%	1.44%	1.54%	1.56%	1.26%	0.96%	0.41%	0.00%	0.00%	0.00%	0.00%	0.00%
Red Flag Computation 30	2,867,945	306,477	266,730	370,948	425,675	423,067	328,311	172,663	189,393	161,900	90,948	44,746	36,198	37,535	13,358
	5.15%	8.32%	7.11%	8.41%	8.52%	7.64%	5.91%	4.11%	4.89%	4.11%	2.71%	1.18%	1.10%	1.19%	0.62%
Red Flag Computation 31	4,338,868	87,680	273,353	212,640	339,250	425,673	357,970	257,375	321,538	402,738	438,923	409,363	317,288	286,665	208,415
	7.79%	2.38%	7.29%	4.82%	6.79%	7.69%	6.45%	6.13%	8.29%	10.21%	13.07%	10.80%	9.66%	9.06%	9.72%
Red Flag Computation 32	111,744	13,342	6,412	21,815	19,470	5,640	5,930	9,720	12,945	6,300	0	0	0	0	10,170
	0.20%	0.36%	0.17%	0.49%	0.39%	0.10%	0.11%	0.23%	0.33%	0.16%	0.00%	0.00%	0.00%	0.00%	0.47%
Red Flag Computation 33	941,986	95,109	254,922	185,902	93,610	93,375	29,004	25,883	32,445	11,214	12,815	31,988	1,635	28,900	45,185
	1.69%	2.58%	6.80%	4.21%	1.87%	1.69%	0.52%	0.62%	0.84%	0.28%	0.38%	0.84%	0.05%	0.91%	2.11%
Red Flag Computation 34	638,625	1,800	3,000	9,900	40,800	73,800	83,713	59,800	57,600	47,600	89,038	96,900	53,350	9,375	11,950
	1.15%	0.05%	0.08%	0.22%	0.82%	1.33%	1.51%	1.42%	1.49%	1.21%	2.65%	2.56%	1.62%	0.30%	0.56%
Red Flag Computation 35	4,205,135	585,618	594,570	453,901	401,720	437,486	282,588	186,220	106,720	189,828	108,980	340,495	195,068	138,729	183,215
	7.55%	15.89%	15.85%	10.29%	8.04%	7.90%	5.09%	4.43%	2.75%	4.81%	3.24%	8.98%	5.94%	4.39%	8.55%
Red Flag Computation 36	8,124,554	136,028	138,457	100,390	113,210	379,801	737,817	681,839	704,248	799,182	609,608	959,028	1,045,086	1,242,576	477,286
	14.59%	3.69%	3.69%	2.28%	2.27%	6.86%	13.29%	16.23%	18.17%	20.27%	18.15%	25.30%	31.83%	39.28%	22.27%

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CVS Combination Red Flagged Prescriptions Summary
Trumbull County, OH
Red Flag Computation 1-43, in MME

	Total	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Total MME of Combination Red Flagged Prescriptions	55,694,361	3,685,377	3,750,431	4,411,361	4,997,658	5,534,923	5,553,719	4,201,737	3,876,832	3,943,136	3,359,122	3,790,069	3,283,401	3,163,408	2,143,187
Total MME of Combination Red Flagged Opioid Prescriptions	55,694,361	3,685,377	3,750,431	4,411,361	4,997,658	5,534,923	5,553,719	4,201,737	3,876,832	3,943,136	3,359,122	3,790,069	3,283,401	3,163,408	2,143,187
Red Flag Computation 37	36,900	6,750	0	0	8,550	5,400	10,800	5,400	0	0	0	0	0	0	0
	0.07%	0.18%	0.00%	0.00%	0.17%	0.10%	0.19%	0.13%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Red Flag Computation 38	22,672,750	1,692,680	1,643,867	2,001,476	2,198,545	2,398,942	2,332,533	1,782,151	1,674,451	1,480,547	1,340,602	1,113,940	1,098,348	1,087,460	827,209
	40.71%	45.93%	43.83%	45.37%	43.99%	43.34%	42.00%	42.41%	43.19%	37.55%	39.91%	29.39%	33.45%	34.38%	38.60%
Red Flag Computation 39	1,453,530	138,428	98,750	159,605	104,530	104,488	92,825	100,650	62,875	55,703	184,813	116,424	98,289	76,078	60,075
	2.61%	3.76%	2.63%	3.62%	2.09%	1.89%	1.67%	2.40%	1.62%	1.41%	5.50%	3.07%	2.99%	2.40%	2.80%
Red Flag Computation 40	1,893,293	183,267	172,418	240,470	413,190	292,280	199,014	145,663	65,295	53,963	36,825	60,489	9,450	5,850	15,120
	3.40%	4.97%	4.60%	5.45%	8.27%	5.28%	3.58%	3.47%	1.68%	1.37%	1.10%	1.60%	0.29%	0.18%	0.71%
Red Flag Computation 41	9,794,713	727,880	765,698	867,198	989,268	1,187,282	1,028,890	736,618	619,796	517,530	501,255	395,670	485,760	569,771	402,099
	17.59%	19.75%	20.42%	19.66%	19.79%	21.45%	18.53%	17.53%	15.99%	13.12%	14.92%	10.44%	14.79%	18.01%	18.76%
Red Flag Computation 42	2,946,783	270,310	240,198	270,530	299,908	381,898	274,608	97,375	110,911	178,213	153,360	208,289	172,860	129,405	158,920
	5.29%	7.33%	6.40%	6.13%	6.00%	6.90%	4.94%	2.32%	2.86%	4.52%	4.57%	5.50%	5.26%	4.09%	7.42%
Red Flag Computation 43	106,586	5,430	4,350	8,788	13,431	23,603	20,275	18,400	5,650	3,960	0	0	0	0	2,700
	0.19%	0.15%	0.12%	0.20%	0.27%	0.43%	0.37%	0.44%	0.15%	0.10%	0.00%	0.00%	0.00%	0.00%	0.13%
Flagged for Any of the Red Flag Computation 1-43	55,694,361	3,685,377	3,750,431	4,411,361	4,997,658	5,534,923	5,553,719	4,201,737	3,876,832	3,943,136	3,359,122	3,790,069	3,283,401	3,163,408	2,143,187
	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%

Notes

Defendant	Date Range
CVS	January 1, 2006 to November 29, 2019
Giant Eagle/HBC	January 1, 2006 to December 3, 2019
Rite Aid	January 1, 2006 to November 19, 2019
Walgreens	January 3, 2006 to January 3, 2020
Wal-Mart	January 2, 2006 to April 25, 2018

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Giant Eagle/HBC Combination Red Flagged Prescriptions Summary
Lake County and Trumbull County, OH
Red Flag Computation 1-43, in # of Prescriptions

	Total	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Total # of Combination Red Flagged Prescriptions	164,698	11,103	12,846	14,932	15,117	15,821	17,450	17,713	13,452	11,746	10,083	8,288	6,179	5,332	4,636
Total # of Combination Red Flagged Opioid Prescriptions	125,994	8,616	9,877	11,643	11,708	12,230	13,437	13,682	10,035	8,757	7,545	6,217	4,602	4,036	3,609
Red Flag Computation 1	2,889	188	231	197	219	227	343	315	251	287	192	114	115	107	103
	2.29%	2.18%	2.34%	1.69%	1.87%	1.86%	2.55%	2.30%	2.50%	3.28%	2.54%	1.83%	2.50%	2.65%	2.85%
Red Flag Computation 2	29,231	2,137	2,207	2,359	2,316	2,389	2,864	2,598	2,529	2,455	2,226	1,777	1,322	1,135	917
	23.20%	24.80%	22.34%	20.26%	19.78%	19.53%	21.31%	18.99%	25.20%	28.03%	29.50%	28.58%	28.73%	28.12%	25.41%
Red Flag Computation 3	21,885	1,460	1,685	2,110	2,052	2,069	2,403	2,412	1,902	1,528	1,266	1,056	761	636	545
	17.37%	16.95%	17.06%	18.12%	17.53%	16.92%	17.88%	17.63%	18.95%	17.45%	16.78%	16.99%	16.54%	15.76%	15.10%
Red Flag Computation 4	6,221	339	537	516	577	566	605	683	548	511	449	331	203	194	162
	4.94%	3.93%	5.44%	4.43%	4.93%	4.63%	4.50%	4.99%	5.46%	5.84%	5.95%	5.32%	4.41%	4.81%	4.49%
Red Flag Computation 5	21,386	1,356	1,697	1,741	1,961	2,052	2,541	2,423	2,040	1,559	1,208	1,051	726	599	432
	12.98%	12.21%	13.21%	11.66%	12.97%	12.97%	14.56%	13.68%	15.17%	13.27%	11.98%	12.68%	11.75%	11.23%	9.32%
Red Flag Computation 6	6,262	331	648	640	676	728	862	689	599	386	296	209	106	58	34
	3.80%	2.98%	5.04%	4.29%	4.47%	4.60%	4.94%	3.89%	4.45%	3.29%	2.94%	2.52%	1.72%	1.09%	0.73%
Red Flag Computation 7	89,220	5,879	6,789	7,495	7,818	8,241	9,133	9,189	7,658	6,862	5,976	4,881	3,721	3,152	2,426
	54.17%	52.95%	52.85%	50.19%	51.72%	52.09%	52.34%	51.88%	56.93%	58.42%	59.27%	58.89%	60.22%	59.11%	52.33%
Red Flag Computation 8	61,969	3,831	4,697	5,272	5,398	5,735	6,287	6,358	5,348	4,793	4,300	3,432	2,611	2,183	1,724
	37.63%	34.50%	36.56%	35.31%	35.71%	36.25%	36.03%	35.89%	39.76%	40.81%	42.65%	41.41%	42.26%	40.94%	37.19%
Red Flag Computation 9	4,768	194	309	304	308	320	493	365	384	459	496	382	263	293	198
	3.78%	2.25%	3.13%	2.61%	2.63%	2.62%	3.67%	2.67%	3.83%	5.24%	6.57%	6.14%	5.71%	7.26%	5.49%
Red Flag Computation 10	4,148	485	353	224	210	256	283	227	197	190	226	137	98	52	1,210
	3.29%	5.63%	3.57%	1.92%	1.79%	2.09%	2.11%	1.66%	1.96%	2.17%	3.00%	2.20%	2.13%	1.29%	33.53%
Red Flag Computation 11	3,138	485	353	224	210	256	283	227	197	190	226	137	98	52	200
	2.49%	5.63%	3.57%	1.92%	1.79%	2.09%	2.11%	1.66%	1.96%	2.17%	3.00%	2.20%	2.13%	1.29%	5.54%
Red Flag Computation 12	7,075	475	637	685	739	705	798	1,002	560	463	326	122	131	169	263
	5.62%	5.51%	6.45%	5.88%	6.31%	5.76%	5.94%	7.32%	5.58%	5.29%	4.32%	1.96%	2.85%	4.19%	7.29%
Red Flag Computation 13	19,624	1,670	2,081	2,603	2,557	2,817	3,323	3,503	503	165	119	59	49	80	95
	15.58%	19.38%	21.07%	22.36%	21.84%	23.03%	24.73%	25.60%	5.01%	1.88%	1.58%	0.95%	1.06%	1.98%	2.63%
Red Flag Computation 14	3,450	231	405	499	454	465	458	391	316	231	0	0	0	0	0
	2.74%	2.68%	4.10%	4.29%	3.88%	3.80%	3.41%	2.86%	3.15%	2.64%	0.00%	0.00%	0.00%	0.00%	0.00%
Red Flag Computation 15	38,025	2,503	3,193	3,617	3,564	3,619	3,982	3,987	3,326	2,642	1,979	1,809	1,474	1,305	1,025
	30.18%	29.05%	32.33%	31.07%	30.44%	29.59%	29.63%	29.14%	33.14%	30.17%	26.23%	29.10%	32.03%	32.33%	28.40%
Red Flag Computation 16	5,692	0	52	1,458	1,017	898	473	847	426	297	107	79	18	18	2
	4.52%	0.00%	0.53%	12.52%	8.69%	7.34%	3.52%	6.19%	4.25%	3.39%	1.42%	1.27%	0.39%	0.45%	0.06%
Red Flag Computation 17	16,808	1,257	1,337	1,355	1,405	1,340	1,773	1,506	1,398	1,309	1,093	948	783	723	581
	10.21%	11.32%	10.41%	9.07%	9.29%	8.47%	10.16%	8.50%	10.39%	11.14%	10.84%	11.44%	12.67%	13.56%	12.53%
Red Flag Computation 18	9,842	631	673	832	825	851	1,001	907	965	821	770	585	394	316	271
	7.81%	7.32%	6.81%	7.15%	7.05%	6.96%	7.45%	6.63%	9.62%	9.38%	10.21%	9.41%	8.56%	7.83%	7.51%

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Giant Eagle/HBC Combination Red Flagged Prescriptions Summary
Lake County and Trumbull County, OH
Red Flag Computation 1-43, in # of Prescriptions

	Total	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Total # of Combination Red Flagged Prescriptions	164,698	11,103	12,846	14,932	15,117	15,821	17,450	17,713	13,452	11,746	10,083	8,288	6,179	5,332	4,636
Total # of Combination Red Flagged Opioid Prescriptions	125,994	8,616	9,877	11,643	11,708	12,230	13,437	13,682	10,035	8,757	7,545	6,217	4,602	4,036	3,609
Red Flag Computation 19	4,091	255	242	337	281	337	494	387	428	365	343	231	172	113	106
	3.25%	2.96%	2.45%	2.89%	2.40%	2.76%	3.68%	2.83%	4.27%	4.17%	4.55%	3.72%	3.74%	2.80%	2.94%
Red Flag Computation 20	11,311	684	803	997	1,024	1,111	1,269	1,264	1,012	819	727	537	417	345	302
	8.98%	7.94%	8.13%	8.56%	8.75%	9.08%	9.44%	9.24%	10.08%	9.35%	9.64%	8.64%	9.06%	8.55%	8.37%
Red Flag Computation 21	7,632	468	556	710	668	749	867	845	721	534	505	369	236	222	182
	6.06%	5.43%	5.63%	6.10%	5.71%	6.12%	6.45%	6.18%	7.18%	6.10%	6.69%	5.94%	5.13%	5.50%	5.04%
Red Flag Computation 22	119	5	4	16	8	9	26	10	13	13	6	7	0	1	1
	0.09%	0.06%	0.04%	0.14%	0.07%	0.07%	0.19%	0.07%	0.13%	0.15%	0.08%	0.11%	0.00%	0.02%	0.03%
Red Flag Computation 23	114	4	4	15	7	7	27	7	16	18	4	4	0	1	0
	0.09%	0.05%	0.04%	0.13%	0.06%	0.06%	0.20%	0.05%	0.16%	0.21%	0.05%	0.06%	0.00%	0.02%	0.00%
Red Flag Computation 24	9,040	512	686	828	862	902	901	866	773	692	666	496	314	277	265
	7.17%	5.94%	6.95%	7.11%	7.36%	7.38%	6.71%	6.33%	7.70%	7.90%	8.83%	7.98%	6.82%	6.86%	7.34%
Red Flag Computation 25	6,505	475	637	685	739	705	798	1,002	408	301	227	92	98	139	199
	5.16%	5.51%	6.45%	5.88%	6.31%	5.76%	5.94%	7.32%	4.07%	3.44%	3.01%	1.48%	2.13%	3.44%	5.51%
Red Flag Computation 26	19,583	1,670	2,081	2,603	2,557	2,817	3,323	3,503	487	153	113	57	48	75	96
	15.54%	19.38%	21.07%	22.36%	21.84%	23.03%	24.73%	25.60%	4.85%	1.75%	1.50%	0.92%	1.04%	1.86%	2.66%
Red Flag Computation 27	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Red Flag Computation 28	4	0	2	0	0	0	0	2	0	0	0	0	0	0	0
	0.00%	0.00%	0.02%	0.00%	0.00%	0.00%	0.00%	0.01%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Red Flag Computation 29	2,663	189	302	370	340	354	360	305	258	185	0	0	0	0	0
	2.11%	2.19%	3.06%	3.18%	2.90%	2.89%	2.68%	2.23%	2.57%	2.11%	0.00%	0.00%	0.00%	0.00%	0.00%
Red Flag Computation 30	9,073	653	851	1,006	982	962	1,051	1,014	916	651	306	220	169	155	137
	7.20%	7.58%	8.62%	8.64%	8.39%	7.87%	7.82%	7.41%	9.13%	7.43%	4.06%	3.54%	3.67%	3.84%	3.80%
Red Flag Computation 31	7,066	243	491	790	678	685	784	820	708	531	307	344	272	175	238
	5.61%	2.82%	4.97%	6.79%	5.79%	5.60%	5.83%	5.99%	7.06%	6.06%	4.07%	5.53%	5.91%	4.34%	6.59%
Red Flag Computation 32	343	0	6	110	61	35	20	52	38	19	0	0	0	2	0
	0.27%	0.00%	0.06%	0.94%	0.52%	0.29%	0.15%	0.38%	0.38%	0.22%	0.00%	0.00%	0.00%	0.05%	0.00%
Red Flag Computation 33	2,421	222	189	268	225	223	248	211	143	139	146	141	101	107	58
	1.92%	2.58%	1.91%	2.30%	1.92%	1.82%	1.85%	1.54%	1.43%	1.59%	1.94%	2.27%	2.19%	2.65%	1.61%
Red Flag Computation 34	1,850	9	24	27	44	53	56	89	141	141	329	342	260	169	166
	1.47%	0.10%	0.24%	0.23%	0.38%	0.43%	0.42%	0.65%	1.41%	1.61%	4.36%	5.50%	5.65%	4.19%	4.60%
Red Flag Computation 35	11,741	1,398	1,353	1,203	1,070	1,103	868	856	821	629	543	519	415	475	488
	9.32%	16.23%	13.70%	10.33%	9.14%	9.02%	6.46%	6.26%	8.18%	7.18%	7.20%	8.35%	9.02%	11.77%	13.52%
Red Flag Computation 36	9,856	906	826	896	742	825	962	758	783	909	928	593	301	230	197
	7.82%	10.52%	8.36%	7.70%	6.34%	6.75%	7.16%	5.54%	7.80%	10.38%	12.30%	9.54%	6.54%	5.70%	5.46%

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Giant Eagle/HBC Combination Red Flagged Prescriptions Summary
Lake County and Trumbull County, OH
Red Flag Computation 1-43, in # of Prescriptions

	Total	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Total # of Combination Red Flagged Prescriptions	164,698	11,103	12,846	14,932	15,117	15,821	17,450	17,713	13,452	11,746	10,083	8,288	6,179	5,332	4,636
Total # of Combination Red Flagged Opioid Prescriptions	125,994	8,616	9,877	11,643	11,708	12,230	13,437	13,682	10,035	8,757	7,545	6,217	4,602	4,036	3,609
Red Flag Computation 37	354	7	7	19	49	29	24	46	49	39	33	18	17	14	3
	0.28%	0.08%	0.07%	0.16%	0.42%	0.24%	0.18%	0.34%	0.49%	0.45%	0.44%	0.29%	0.37%	0.35%	0.08%
Red Flag Computation 38	78,982	4,985	6,008	6,929	7,068	7,351	8,192	8,380	6,834	5,995	5,216	4,230	3,150	2,588	2,056
	47.96%	44.90%	46.77%	46.40%	46.76%	46.46%	46.95%	47.31%	50.80%	51.04%	51.73%	51.04%	50.98%	48.54%	44.35%
Red Flag Computation 39	6,177	331	648	640	676	728	862	689	557	375	291	196	98	54	32
	3.75%	2.98%	5.04%	4.29%	4.47%	4.60%	4.94%	3.89%	4.14%	3.19%	2.89%	2.36%	1.59%	1.01%	0.69%
Red Flag Computation 40	3,047	167	161	159	251	274	285	222	200	252	332	251	218	157	118
	2.42%	1.94%	1.63%	1.37%	2.14%	2.24%	2.12%	1.62%	1.99%	2.88%	4.40%	4.04%	4.74%	3.89%	3.27%
Red Flag Computation 41	27,997	2,047	2,388	2,866	2,668	2,646	2,933	3,126	2,188	1,843	1,564	1,356	966	750	656
	17.00%	18.44%	18.59%	19.19%	17.65%	16.72%	16.81%	17.65%	16.27%	15.69%	15.51%	16.36%	15.63%	14.07%	14.15%
Red Flag Computation 42	11,386	1,142	1,123	1,100	1,056	1,197	1,213	1,068	905	801	529	336	322	311	283
	6.91%	10.29%	8.74%	7.37%	6.99%	7.57%	6.95%	6.03%	6.73%	6.82%	5.25%	4.05%	5.21%	5.83%	6.10%
Red Flag Computation 43	175	0	0	102	39	16	4	8	1	5	0	0	0	0	0
	0.11%	0.00%	0.00%	0.68%	0.26%	0.10%	0.02%	0.05%	0.01%	0.04%	0.00%	0.00%	0.00%	0.00%	0.00%
Flagged for Any of the Red Flag Computation 1-43	164,698	11,103	12,846	14,932	15,117	15,821	17,450	17,713	13,452	11,746	10,083	8,288	6,179	5,332	4,636
	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%

Notes

Defendant	Date Range
CVS	January 1, 2006 to November 29, 2019
Giant Eagle/HBC	January 1, 2006 to December 3, 2019
Rite Aid	January 1, 2006 to November 19, 2019
Walgreens	January 3, 2006 to January 3, 2020
Wal-Mart	January 2, 2006 to April 25, 2018

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Giant Eagle/HBC Combination Red Flagged Prescriptions Summary
Lake County and Trumbull County, OH
Red Flag Computation 1-43, in Dosage Units

	Total	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Total Dosage Units of Combination Red Flagged Prescriptions	10,980,502	710,606	834,993	997,504	1,027,769	1,053,967	1,191,147	1,213,832	922,252	785,567	639,045	542,914	410,238	343,451	307,217
Total Dosage Units of Combination Red Flagged Opioid Prescriptions	8,704,392	557,511	657,519	801,542	810,560	838,165	952,550	975,835	721,839	607,078	501,295	430,556	324,178	274,564	251,200
Red Flag Computation 1	181,641	12,013	14,551	13,242	13,228	12,796	21,468	20,792	13,727	16,060	11,754	8,282	7,762	6,977	8,989
	2.09%	2.15%	2.21%	1.65%	1.63%	1.53%	2.25%	2.13%	1.90%	2.65%	2.34%	1.92%	2.39%	2.54%	3.58%
Red Flag Computation 2	1,633,487	118,961	125,930	141,517	137,626	135,708	166,715	146,964	132,754	118,880	101,706	99,486	82,355	69,307	55,578
	18.77%	21.34%	19.15%	17.66%	16.98%	16.19%	17.50%	15.06%	18.39%	19.58%	20.29%	23.11%	25.40%	25.24%	22.13%
Red Flag Computation 3	1,402,869	91,142	109,361	138,559	140,089	133,441	159,719	158,746	121,563	94,550	73,933	67,022	47,238	37,428	30,078
	16.12%	16.35%	16.63%	17.29%	17.28%	15.92%	16.77%	16.27%	16.84%	15.57%	14.75%	15.57%	14.57%	13.63%	11.97%
Red Flag Computation 4	479,467	22,813	36,642	37,987	43,721	40,049	48,205	52,538	41,364	43,981	36,389	29,454	16,691	16,534	13,099
	5.51%	4.09%	5.57%	4.74%	5.39%	4.78%	5.06%	5.38%	5.73%	7.24%	7.26%	6.84%	5.15%	6.02%	5.21%
Red Flag Computation 5	1,579,447	95,547	119,485	130,460	157,986	150,246	196,096	185,184	155,679	118,002	85,435	75,126	47,142	36,656	26,403
	14.38%	13.45%	14.31%	13.08%	15.37%	14.26%	16.46%	15.26%	16.88%	15.02%	13.37%	13.84%	11.49%	10.67%	8.59%
Red Flag Computation 6	477,568	24,934	43,755	47,574	56,538	57,698	67,102	51,518	47,888	31,777	22,189	15,602	6,122	3,459	1,412
	4.35%	3.51%	5.24%	4.77%	5.50%	5.47%	5.63%	4.24%	5.19%	4.05%	3.47%	2.87%	1.49%	1.01%	0.46%
Red Flag Computation 7	6,136,126	394,089	459,158	526,268	559,872	574,837	646,373	641,825	529,162	474,844	397,240	326,202	246,284	202,867	157,105
	55.88%	55.46%	54.99%	52.76%	54.47%	54.54%	54.26%	52.88%	57.38%	60.45%	62.16%	60.08%	60.03%	59.07%	51.14%
Red Flag Computation 8	4,274,509	265,139	320,851	363,670	389,660	401,482	436,257	442,561	367,201	337,496	285,364	228,558	173,334	144,930	118,006
	38.93%	37.31%	38.43%	36.46%	37.91%	38.09%	36.62%	36.46%	39.82%	42.96%	44.65%	42.10%	42.25%	42.20%	38.41%
Red Flag Computation 9	333,147	13,422	18,620	22,685	25,252	26,050	42,997	30,423	29,062	27,990	30,639	24,610	15,194	14,889	11,314
	3.83%	2.41%	2.83%	2.83%	3.12%	3.11%	4.51%	3.12%	4.03%	4.61%	6.11%	5.72%	4.69%	5.42%	4.50%
Red Flag Computation 10	338,426	43,079	30,290	17,293	17,726	15,490	20,692	16,351	19,206	15,544	17,333	11,306	8,580	3,528	102,008
	3.89%	7.73%	4.61%	2.16%	2.19%	1.85%	2.17%	1.68%	2.66%	2.56%	3.46%	2.63%	2.65%	1.28%	40.61%
Red Flag Computation 11	248,228	43,079	30,290	17,293	17,726	15,490	20,692	16,351	19,206	15,544	17,333	11,306	8,580	3,528	11,810
	2.85%	7.73%	4.61%	2.16%	2.19%	1.85%	2.17%	1.68%	2.66%	2.56%	3.46%	2.63%	2.65%	1.28%	4.70%
Red Flag Computation 12	551,602	25,169	43,928	52,647	51,246	53,861	60,535	78,295	51,124	43,803	30,216	9,271	10,481	16,032	24,994
	6.34%	4.51%	6.68%	6.57%	6.32%	6.43%	6.36%	8.02%	7.08%	7.22%	6.03%	2.15%	3.23%	5.84%	9.95%
Red Flag Computation 13	1,296,762	88,139	128,185	178,928	169,874	178,921	221,555	242,863	40,393	12,751	10,450	4,957	4,210	6,342	9,194
	14.90%	15.81%	19.50%	22.32%	20.96%	21.35%	23.26%	24.89%	5.60%	2.10%	2.08%	1.15%	1.30%	2.31%	3.66%
Red Flag Computation 14	326,967	21,966	39,080	48,541	41,776	41,527	43,499	39,311	29,595	21,672	0	0	0	0	0
	3.76%	3.94%	5.94%	6.06%	5.15%	4.95%	4.57%	4.03%	4.10%	3.57%	0.00%	0.00%	0.00%	0.00%	0.00%
Red Flag Computation 15	3,162,783	197,737	251,716	305,341	304,971	305,964	340,710	360,055	289,479	227,258	157,103	144,045	113,517	92,076	72,811
	36.34%	35.47%	38.28%	38.09%	37.62%	36.50%	35.77%	36.90%	40.10%	37.43%	31.34%	33.46%	35.02%	33.54%	28.99%
Red Flag Computation 16	231,407	0	2,843	71,195	46,600	35,716	16,915	28,246	15,139	9,197	2,659	1,847	318	682	50
	2.66%	0.00%	0.43%	8.88%	5.75%	4.26%	1.78%	2.89%	2.10%	1.51%	0.53%	0.43%	0.10%	0.25%	0.02%
Red Flag Computation 17	1,061,886	77,221	84,360	88,799	91,478	85,251	115,178	97,390	85,786	73,454	62,536	60,719	53,696	46,637	39,381
	9.67%	10.87%	10.10%	8.90%	8.90%	8.09%	9.67%	8.02%	9.30%	9.35%	9.79%	11.18%	13.09%	13.58%	12.82%
Red Flag Computation 18	478,078	32,433	34,883	45,003	41,138	43,286	51,784	45,008	46,236	37,229	32,480	28,674	16,797	12,483	10,644
	5.49%	5.82%	5.31%	5.61%	5.08%	5.16%	5.44%	4.61%	6.41%	6.13%	6.48%	6.66%	5.18%	4.55%	4.24%

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Giant Eagle/HBC Combination Red Flagged Prescriptions Summary
Lake County and Trumbull County, OH
Red Flag Computation 1-43, in Dosage Units

	Total	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Total Dosage Units of Combination Red Flagged Prescriptions	10,980,502	710,606	834,993	997,504	1,027,769	1,053,967	1,191,147	1,213,832	922,252	785,567	639,045	542,914	410,238	343,451	307,217
Total Dosage Units of Combination Red Flagged Opioid Prescriptions	8,704,392	557,511	657,519	801,542	810,560	838,165	952,550	975,835	721,839	607,078	501,295	430,556	324,178	274,564	251,200
Red Flag Computation 19	208,545	14,486	13,945	16,950	15,445	18,280	26,363	18,551	21,593	18,958	16,366	10,687	8,060	4,948	3,913
	2.40%	2.60%	2.12%	2.11%	1.91%	2.18%	2.77%	1.90%	2.99%	3.12%	3.26%	2.48%	2.49%	1.80%	1.56%
Red Flag Computation 20	598,620	39,698	46,909	51,188	54,786	60,657	69,524	64,412	52,707	43,977	35,956	27,209	21,833	16,962	12,802
	6.88%	7.12%	7.13%	6.39%	6.76%	7.24%	7.30%	6.60%	7.30%	7.24%	7.17%	6.32%	6.73%	6.18%	5.10%
Red Flag Computation 21	409,884	27,254	34,263	38,886	34,291	42,211	48,051	43,318	37,581	28,131	25,009	17,787	11,999	12,336	8,767
	4.71%	4.89%	5.21%	4.85%	4.23%	5.04%	5.04%	4.44%	5.21%	4.63%	4.99%	4.13%	3.70%	4.49%	3.49%
Red Flag Computation 22	4,534	165	156	386	229	361	1,197	248	589	581	186	361	0	60	15
	0.05%	0.03%	0.02%	0.05%	0.03%	0.04%	0.13%	0.03%	0.08%	0.10%	0.04%	0.08%	0.00%	0.02%	0.01%
Red Flag Computation 23	6,543	188	348	440	399	380	1,641	475	668	1,302	290	412	0	0	0
	0.08%	0.03%	0.05%	0.05%	0.05%	0.05%	0.17%	0.05%	0.09%	0.21%	0.06%	0.10%	0.00%	0.00%	0.00%
Red Flag Computation 24	637,550	33,195	45,467	53,995	56,298	56,942	65,570	63,376	56,853	52,840	49,593	39,716	22,321	21,087	20,297
	7.32%	5.95%	6.91%	6.74%	6.95%	6.79%	6.88%	6.49%	7.88%	8.70%	9.89%	9.22%	6.89%	7.68%	8.08%
Red Flag Computation 25	496,557	25,169	43,928	52,647	51,246	53,861	60,535	78,295	36,180	27,273	21,175	6,640	8,004	12,898	18,706
	5.70%	4.51%	6.68%	6.57%	6.32%	6.43%	6.36%	8.02%	5.01%	4.49%	4.22%	1.54%	2.47%	4.70%	7.45%
Red Flag Computation 26	1,292,862	88,139	128,185	178,928	169,874	178,921	221,555	242,863	38,796	11,474	9,680	4,844	4,068	6,123	9,412
	14.85%	15.81%	19.50%	22.32%	20.96%	21.35%	23.26%	24.89%	5.37%	1.89%	1.93%	1.13%	1.25%	2.23%	3.75%
Red Flag Computation 27	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Red Flag Computation 28	280	0	240	0	0	0	0	40	0	0	0	0	0	0	0
	0.00%	0.00%	0.04%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Red Flag Computation 29	244,104	17,646	28,529	35,505	30,030	30,596	32,507	29,201	23,608	16,482	0	0	0	0	0
	2.80%	3.17%	4.34%	4.43%	3.70%	3.65%	3.41%	2.99%	3.27%	2.71%	0.00%	0.00%	0.00%	0.00%	0.00%
Red Flag Computation 30	773,725	53,934	69,247	90,167	83,594	81,495	92,734	92,873	79,496	56,277	22,530	16,748	13,067	11,374	10,189
	8.89%	9.67%	10.53%	11.25%	10.31%	9.72%	9.74%	9.52%	11.01%	9.27%	4.49%	3.89%	4.03%	4.14%	4.06%
Red Flag Computation 31	812,608	26,991	52,541	84,767	78,435	80,616	90,414	103,397	84,851	62,993	33,554	39,142	33,575	18,869	22,463
	9.34%	4.84%	7.99%	10.58%	9.68%	9.62%	9.49%	10.60%	11.75%	10.38%	6.69%	9.09%	10.36%	6.87%	8.94%
Red Flag Computation 32	23,218	0	660	8,867	3,763	2,298	1,120	2,410	2,740	1,240	0	0	0	120	0
	0.27%	0.00%	0.10%	1.11%	0.46%	0.27%	0.12%	0.25%	0.38%	0.20%	0.00%	0.00%	0.00%	0.04%	0.00%
Red Flag Computation 33	115,247	10,478	9,192	9,495	11,671	9,611	11,334	11,368	7,755	8,610	7,601	7,044	4,310	4,199	2,579
	1.32%	1.88%	1.40%	1.18%	1.44%	1.15%	1.19%	1.16%	1.07%	1.42%	1.52%	1.64%	1.33%	1.53%	1.03%
Red Flag Computation 34	152,914	190	1,614	2,092	3,320	4,195	5,406	7,049	11,567	10,096	28,856	29,350	21,723	13,640	13,816
	1.76%	0.03%	0.25%	0.26%	0.41%	0.50%	0.57%	0.72%	1.60%	1.66%	5.76%	6.82%	6.70%	4.97%	5.50%
Red Flag Computation 35	610,250	75,980	66,652	62,528	57,487	57,827	47,151	47,362	45,594	34,117	29,681	24,947	18,802	20,252	21,870
	7.01%	13.63%	10.14%	7.80%	7.09%	6.90%	4.95%	4.85%	6.32%	5.62%	5.92%	5.79%	5.80%	7.38%	8.71%
Red Flag Computation 36	460,810	47,339	44,003	53,218	40,856	42,774	46,000	34,376	28,356	30,134	29,251	24,299	15,445	12,915	11,844
	5.29%	8.49%	6.69%	6.64%	5.04%	5.10%	4.83%	3.52%	3.93%	4.96%	5.84%	5.64%	4.76%	4.70%	4.71%

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Giant Eagle/HBC Combination Red Flagged Prescriptions Summary
Lake County and Trumbull County, OH
Red Flag Computation 1-43, in Dosage Units

	Total	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Total Dosage Units of Combination Red Flagged Prescriptions	10,980,502	710,606	834,993	997,504	1,027,769	1,053,967	1,191,147	1,213,832	922,252	785,567	639,045	542,914	410,238	343,451	307,217
Total Dosage Units of Combination Red Flagged Opioid Prescriptions	8,704,392	557,511	657,519	801,542	810,560	838,165	952,550	975,835	721,839	607,078	501,295	430,556	324,178	274,564	251,200
Red Flag Computation 37	43,059	684	720	1,615	4,955	2,980	2,574	4,265	6,790	4,307	2,610	4,320	3,339	3,540	360
	0.49%	0.12%	0.11%	0.20%	0.61%	0.36%	0.27%	0.44%	0.94%	0.71%	0.52%	1.00%	1.03%	1.29%	0.14%
Red Flag Computation 38	5,473,613	351,191	418,485	478,207	512,871	515,794	571,281	589,953	475,382	417,699	345,136	280,597	207,053	169,462	140,502
	49.85%	49.42%	50.12%	47.94%	49.90%	48.94%	47.96%	48.60%	51.55%	53.17%	54.01%	51.68%	50.47%	49.34%	45.73%
Red Flag Computation 39	469,210	24,934	43,755	47,574	56,538	57,698	67,102	51,518	43,354	30,612	21,739	14,597	5,578	3,009	1,202
	4.27%	3.51%	5.24%	4.77%	5.50%	5.47%	5.63%	4.24%	4.70%	3.90%	3.40%	2.69%	1.36%	0.88%	0.39%
Red Flag Computation 40	200,495	13,778	13,420	12,038	18,696	19,484	22,320	13,798	11,883	14,316	17,878	14,228	13,073	8,968	6,615
	2.30%	2.47%	2.04%	1.50%	2.31%	2.32%	2.34%	1.41%	1.65%	2.36%	3.57%	3.30%	4.03%	3.27%	2.63%
Red Flag Computation 41	2,187,066	151,017	180,042	220,614	220,179	205,613	230,574	252,254	172,698	146,280	116,911	105,797	73,464	59,429	52,194
	19.92%	21.25%	21.56%	22.12%	21.42%	19.51%	19.36%	20.78%	18.73%	18.62%	18.29%	19.49%	17.91%	17.30%	16.99%
Red Flag Computation 42	670,664	62,591	59,535	64,023	68,368	67,414	77,379	65,290	56,709	55,390	30,226	18,214	17,058	15,657	12,810
	6.11%	8.81%	7.13%	6.42%	6.65%	6.40%	6.50%	5.38%	6.15%	7.05%	4.73%	3.35%	4.16%	4.56%	4.17%
Red Flag Computation 43	10,328	0	0	5,577	3,188	834	125	354	0	250	0	0	0	0	0
	0.09%	0.00%	0.00%	0.56%	0.31%	0.08%	0.01%	0.03%	0.00%	0.03%	0.00%	0.00%	0.00%	0.00%	0.00%
Flagged for Any of the Red Flag Computation 1-43	10,980,502	710,606	834,993	997,504	1,027,769	1,053,967	1,191,147	1,213,832	922,252	785,567	639,045	542,914	410,238	343,451	307,217
	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%

Notes

Defendant	Date Range
CVS	January 1, 2006 to November 29, 2019
Giant Eagle/HBC	January 1, 2006 to December 3, 2019
Rite Aid	January 1, 2006 to November 19, 2019
Walgreens	January 3, 2006 to January 3, 2020
Wal-Mart	January 2, 2006 to April 25, 2018

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Giant Eagle/HBC Combination Red Flagged Prescriptions Summary
Lake County and Trumbull County, OH
Red Flag Computation 1-43, in MME

	Total	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Total MME of Combination Red Flagged Prescriptions	116,972,378	8,676,733	8,663,788	10,379,839	10,699,454	10,861,712	12,238,692	12,139,320	9,313,615	8,265,486	7,608,837	6,148,491	4,727,080	3,911,900	3,337,431
Total MME of Combination Red Flagged Opioid Prescriptions	116,972,378	8,676,733	8,663,788	10,379,839	10,699,454	10,861,712	12,238,692	12,139,320	9,313,615	8,265,486	7,608,837	6,148,491	4,727,080	3,911,900	3,337,431
Red Flag Computation 1	2,400,915	129,125	162,508	162,205	176,093	163,153	309,418	330,380	221,170	216,103	133,945	98,406	94,298	93,960	110,153
	2.05%	1.49%	1.88%	1.56%	1.65%	1.50%	2.53%	2.72%	2.37%	2.61%	1.76%	1.60%	1.99%	2.40%	3.30%
Red Flag Computation 2	21,191,385	1,773,992	1,600,904	1,856,424	1,733,657	1,561,764	2,112,389	2,104,344	1,641,905	1,405,518	1,170,422	1,201,507	1,187,354	1,090,833	750,372
	18.12%	20.45%	18.48%	17.88%	16.20%	14.38%	17.26%	17.33%	17.63%	17.00%	15.38%	19.54%	25.12%	27.88%	22.48%
Red Flag Computation 3	21,012,270	1,527,694	1,697,260	2,118,781	2,169,774	1,892,178	2,353,582	2,375,257	1,693,540	1,317,274	1,093,962	945,999	805,868	600,727	420,376
	17.96%	17.61%	19.59%	20.41%	20.28%	17.42%	19.23%	19.57%	18.18%	15.94%	14.38%	15.39%	17.05%	15.36%	12.60%
Red Flag Computation 4	7,884,630	431,464	735,881	661,648	722,119	695,471	838,266	851,492	738,094	653,540	479,163	359,759	260,621	258,032	199,083
	6.74%	4.97%	8.49%	6.37%	6.75%	6.40%	6.85%	7.01%	7.92%	7.91%	6.30%	5.85%	5.51%	6.60%	5.97%
Red Flag Computation 5	13,408,620	910,410	791,937	978,220	1,577,045	1,320,293	1,651,996	1,449,139	1,124,182	999,975	764,000	576,330	415,717	515,309	334,068
	11.46%	10.49%	9.14%	9.42%	14.74%	12.16%	13.50%	11.94%	12.07%	12.10%	10.04%	9.37%	8.79%	13.17%	10.01%
Red Flag Computation 6	3,070,248	176,548	186,397	183,453	357,233	431,787	551,664	318,303	305,500	261,585	128,336	100,795	42,515	17,185	8,950
	2.62%	2.03%	2.15%	1.77%	3.34%	3.98%	4.51%	2.62%	3.28%	3.16%	1.69%	1.64%	0.90%	0.44%	0.27%
Red Flag Computation 7	59,193,819	4,077,151	4,150,347	4,623,359	5,331,527	5,508,065	6,232,900	5,908,245	4,981,355	4,719,892	4,475,564	3,315,275	2,431,861	2,016,291	1,421,990
	50.60%	46.99%	47.90%	44.54%	49.83%	50.71%	50.93%	48.67%	53.48%	57.10%	58.82%	53.92%	51.45%	51.54%	42.61%
Red Flag Computation 8	33,158,422	2,251,011	2,438,811	2,492,112	2,800,495	3,241,877	3,622,533	3,296,397	2,809,465	2,612,765	2,517,612	1,874,780	1,298,020	1,018,537	884,008
	28.35%	25.94%	28.15%	24.01%	26.17%	29.85%	29.60%	27.15%	30.17%	31.61%	33.09%	30.49%	27.46%	26.04%	26.49%
Red Flag Computation 9	4,874,088	249,351	288,322	244,890	279,074	337,065	647,988	394,093	411,313	389,634	489,388	425,456	283,661	269,408	164,448
	4.17%	2.87%	3.33%	2.36%	2.61%	3.10%	5.29%	3.25%	4.42%	4.71%	6.43%	6.92%	6.00%	6.89%	4.93%
Red Flag Computation 10	21,948,821	2,549,722	1,571,878	1,877,330	2,042,150	1,873,814	2,121,302	1,657,544	1,459,790	1,422,147	1,640,394	890,799	558,180	282,440	2,001,331
	18.76%	29.39%	18.14%	18.09%	19.09%	17.25%	17.33%	13.65%	15.67%	17.21%	21.56%	14.49%	11.81%	7.22%	59.97%
Red Flag Computation 11	20,497,938	2,549,722	1,571,878	1,877,330	2,042,150	1,873,814	2,121,302	1,657,544	1,459,790	1,422,147	1,640,394	890,799	558,180	282,440	550,448
	17.52%	29.39%	18.14%	18.09%	19.09%	17.25%	17.33%	13.65%	15.67%	17.21%	21.56%	14.49%	11.81%	7.22%	16.49%
Red Flag Computation 12	4,908,563	196,595	363,845	454,288	433,220	487,595	529,948	654,988	442,650	402,973	313,543	81,195	103,910	166,778	277,038
	4.20%	2.27%	4.20%	4.38%	4.05%	4.49%	4.33%	5.40%	4.75%	4.88%	4.12%	1.32%	2.20%	4.26%	8.30%
Red Flag Computation 13	10,777,933	687,455	1,043,116	1,443,424	1,376,000	1,527,110	1,888,750	1,977,248	343,208	118,788	112,183	39,538	42,834	70,750	107,533
	9.21%	7.92%	12.04%	13.91%	12.86%	14.06%	15.43%	16.29%	3.69%	1.44%	1.47%	0.64%	0.91%	1.81%	3.22%
Red Flag Computation 14	2,467,666	158,155	292,100	364,250	314,593	328,653	332,115	292,710	226,043	159,049	0	0	0	0	0
	2.11%	1.82%	3.37%	3.51%	2.94%	3.03%	2.71%	2.41%	2.43%	1.92%	0.00%	0.00%	0.00%	0.00%	0.00%
Red Flag Computation 15	60,944,306	4,613,805	4,567,887	5,668,292	5,928,271	5,628,954	6,109,470	6,134,271	4,944,783	4,413,716	3,935,708	3,208,550	2,451,178	2,050,801	1,288,621
	52.10%	53.17%	52.72%	54.61%	55.41%	51.82%	49.92%	50.53%	53.09%	53.40%	51.73%	52.18%	51.85%	52.42%	38.61%
Red Flag Computation 16	1,989,795	0	21,490	654,134	415,958	285,054	138,164	232,146	116,767	81,893	21,746	13,148	2,826	6,170	300
	1.70%	0.00%	0.25%	6.30%	3.89%	2.62%	1.13%	1.91%	1.25%	0.99%	0.29%	0.21%	0.06%	0.16%	0.01%
Red Flag Computation 17	13,034,680	1,113,308	1,030,195	1,217,335	1,034,743	888,161	1,275,687	1,291,427	989,820	743,534	653,650	716,003	781,392	780,160	519,266
	11.14%	12.83%	11.89%	11.73%	9.67%	8.18%	10.42%	10.64%	10.63%	9.00%	8.59%	11.65%	16.53%	19.94%	15.56%
Red Flag Computation 18	5,515,866	422,420	461,273	499,005	493,134	415,127	606,145	563,998	480,325	365,094	369,388	328,479	209,837	172,229	129,414
	4.72%	4.87%	5.32%	4.81%	4.61%	3.82%	4.95%	4.65%	5.16%	4.42%	4.85%	5.34%	4.44%	4.40%	3.88%

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Giant Eagle/HBC Combination Red Flagged Prescriptions Summary
Lake County and Trumbull County, OH
Red Flag Computation 1-43, in MME

	Total	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Total MME of Combination Red Flagged Prescriptions	116,972,378	8,676,733	8,663,788	10,379,839	10,699,454	10,861,712	12,238,692	12,139,320	9,313,615	8,265,486	7,608,837	6,148,491	4,727,080	3,911,900	3,337,431
Total MME of Combination Red Flagged Opioid Prescriptions	116,972,378	8,676,733	8,663,788	10,379,839	10,699,454	10,861,712	12,238,692	12,139,320	9,313,615	8,265,486	7,608,837	6,148,491	4,727,080	3,911,900	3,337,431
Red Flag Computation 19	2,631,506	178,658	194,758	198,128	217,136	200,830	378,475	259,417	232,161	213,206	201,869	126,898	102,496	62,359	65,117
	2.25%	2.06%	2.25%	1.91%	2.03%	1.85%	3.09%	2.14%	2.49%	2.58%	2.65%	2.06%	2.17%	1.59%	1.95%
Red Flag Computation 20	8,918,784	667,669	767,985	894,590	945,564	892,014	1,049,426	944,727	656,101	501,205	492,305	317,891	344,672	228,224	216,413
	7.62%	7.69%	8.86%	8.62%	8.84%	8.21%	8.57%	7.78%	7.04%	6.06%	6.47%	5.17%	7.29%	5.83%	6.48%
Red Flag Computation 21	5,599,037	380,496	498,148	506,798	461,558	575,147	757,605	579,838	510,810	298,916	329,971	237,796	180,938	167,442	113,576
	4.79%	4.39%	5.75%	4.88%	4.31%	5.30%	6.19%	4.78%	5.48%	3.62%	4.34%	3.87%	3.83%	4.28%	3.40%
Red Flag Computation 22	67,818	1,463	880	3,135	1,488	7,195	24,670	4,180	8,835	11,745	1,568	2,098	0	450	113
	0.06%	0.02%	0.01%	0.03%	0.01%	0.07%	0.20%	0.03%	0.09%	0.14%	0.02%	0.03%	0.00%	0.01%	0.00%
Red Flag Computation 23	114,093	2,535	3,800	3,105	2,888	7,225	36,273	6,713	12,880	31,815	2,850	2,210	0	1,800	0
	0.10%	0.03%	0.04%	0.03%	0.03%	0.07%	0.30%	0.06%	0.14%	0.38%	0.04%	0.04%	0.00%	0.05%	0.00%
Red Flag Computation 24	9,963,003	617,790	829,121	902,155	886,931	934,533	1,054,888	950,834	903,412	747,595	647,623	509,728	336,857	346,661	294,875
	8.52%	7.12%	9.57%	8.69%	8.29%	8.60%	8.62%	7.83%	9.70%	9.04%	8.51%	8.29%	7.13%	8.86%	8.84%
Red Flag Computation 25	4,370,100	196,595	363,845	454,288	433,220	487,595	529,948	654,988	308,940	252,135	215,610	55,665	76,090	133,338	207,845
	3.74%	2.27%	4.20%	4.38%	4.05%	4.49%	4.33%	5.40%	3.32%	3.05%	2.83%	0.91%	1.61%	3.41%	6.23%
Red Flag Computation 26	10,738,721	687,455	1,043,116	1,443,424	1,376,000	1,527,110	1,888,750	1,977,248	330,543	106,348	102,783	38,470	41,319	67,830	108,328
	9.18%	7.92%	12.04%	13.91%	12.86%	14.06%	15.43%	16.29%	3.55%	1.29%	1.35%	0.63%	0.87%	1.73%	3.25%
Red Flag Computation 27	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Red Flag Computation 28	2,000	0	1,800	0	0	0	0	200	0	0	0	0	0	0	0
	0.00%	0.00%	0.02%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Red Flag Computation 29	1,826,016	126,760	214,095	262,918	222,393	238,280	243,610	215,665	181,148	121,149	0	0	0	0	0
	1.56%	1.46%	2.47%	2.53%	2.08%	2.19%	1.99%	1.78%	1.94%	1.47%	0.00%	0.00%	0.00%	0.00%	0.00%
Red Flag Computation 30	9,571,323	809,688	855,548	1,029,664	1,021,556	1,061,771	1,163,676	1,033,447	857,224	658,719	341,751	234,313	219,803	158,395	125,770
	8.18%	9.33%	9.87%	9.92%	9.55%	9.78%	9.51%	8.51%	9.20%	7.97%	4.49%	3.81%	4.65%	4.05%	3.77%
Red Flag Computation 31	9,472,584	388,153	522,245	806,985	836,113	993,199	1,064,854	1,085,758	849,597	628,583	651,378	587,783	499,883	281,020	277,038
	8.10%	4.47%	6.03%	7.77%	7.81%	9.14%	8.70%	8.94%	9.12%	7.60%	8.56%	9.56%	10.57%	7.18%	8.30%
Red Flag Computation 32	291,930	0	5,325	134,020	43,445	20,545	14,490	25,940	34,260	11,685	0	0	0	2,220	0
	0.25%	0.00%	0.06%	1.29%	0.41%	0.19%	0.12%	0.21%	0.37%	0.14%	0.00%	0.00%	0.00%	0.06%	0.00%
Red Flag Computation 33	4,302,023	327,278	303,810	404,368	369,977	449,204	459,779	357,832	252,149	448,727	320,222	296,000	130,501	116,330	65,850
	3.68%	3.77%	3.51%	3.90%	3.46%	4.14%	3.76%	2.95%	2.71%	5.43%	4.21%	4.81%	2.76%	2.97%	1.97%
Red Flag Computation 34	2,838,425	10,408	38,340	64,592	84,600	145,717	145,026	229,755	319,892	249,731	428,008	437,254	310,682	180,955	193,467
	2.43%	0.12%	0.44%	0.62%	0.79%	1.34%	1.18%	1.89%	3.43%	3.02%	5.63%	7.11%	6.57%	4.63%	5.80%
Red Flag Computation 35	10,690,199	1,349,634	1,051,237	1,013,100	985,015	1,099,533	861,834	768,640	711,004	724,957	567,493	503,498	369,587	360,774	323,894
	9.14%	15.55%	12.13%	9.76%	9.21%	10.12%	7.04%	6.33%	7.63%	8.77%	7.46%	8.19%	7.82%	9.22%	9.70%
Red Flag Computation 36	5,045,497	720,796	502,927	588,731	410,538	370,968	517,443	427,303	281,436	322,832	251,754	246,213	158,440	112,373	133,746
	4.31%	8.31%	5.80%	5.67%	3.84%	3.42%	4.23%	3.52%	3.02%	3.91%	3.31%	4.00%	3.35%	2.87%	4.01%

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Giant Eagle/HBC Combination Red Flagged Prescriptions Summary
Lake County and Trumbull County, OH
Red Flag Computation 1-43, in MME

	Total	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Total MME of Combination Red Flagged Prescriptions	116,972,378	8,676,733	8,663,788	10,379,839	10,699,454	10,861,712	12,238,692	12,139,320	9,313,615	8,265,486	7,608,837	6,148,491	4,727,080	3,911,900	3,337,431
Total MME of Combination Red Flagged Opioid Prescriptions	116,972,378	8,676,733	8,663,788	10,379,839	10,699,454	10,861,712	12,238,692	12,139,320	9,313,615	8,265,486	7,608,837	6,148,491	4,727,080	3,911,900	3,337,431
Red Flag Computation 37	432,179	7,695	8,100	14,575	42,675	29,825	24,476	31,325	42,513	28,510	36,625	62,100	46,948	51,750	5,063
	0.37%	0.09%	0.09%	0.14%	0.40%	0.27%	0.20%	0.26%	0.46%	0.34%	0.48%	1.01%	0.99%	1.32%	0.15%
Red Flag Computation 38	44,444,172	3,220,568	3,345,713	3,865,647	3,935,438	4,216,007	4,713,709	4,783,797	3,672,098	3,302,238	3,066,821	2,354,231	1,603,201	1,261,216	1,103,489
	38.00%	37.12%	38.62%	37.24%	36.78%	38.82%	38.51%	39.41%	39.43%	39.95%	40.31%	38.29%	33.92%	32.24%	33.06%
Red Flag Computation 39	2,995,710	176,548	186,397	183,453	357,233	431,787	551,664	318,303	268,788	250,235	124,061	86,545	38,165	14,485	8,050
	2.56%	2.03%	2.15%	1.77%	3.34%	3.98%	4.51%	2.62%	2.89%	3.03%	1.63%	1.41%	0.81%	0.37%	0.24%
Red Flag Computation 40	7,354,638	505,781	357,964	396,370	698,187	685,380	742,314	587,712	444,191	736,679	792,845	470,252	433,016	277,782	226,168
	6.29%	5.83%	4.13%	3.82%	6.53%	6.31%	6.07%	4.84%	4.77%	8.91%	10.42%	7.65%	9.16%	7.10%	6.78%
Red Flag Computation 41	20,017,728	1,592,550	1,504,713	2,046,339	1,989,128	1,862,930	2,280,369	2,216,264	1,428,729	1,309,093	1,295,648	1,020,423	571,770	475,760	424,014
	17.11%	18.35%	17.37%	19.71%	18.59%	17.15%	18.63%	18.26%	15.34%	15.84%	17.03%	16.60%	12.10%	12.16%	12.70%
Red Flag Computation 42	7,896,385	595,955	425,315	765,033	1,051,065	914,807	968,848	561,086	597,187	750,880	409,486	184,124	237,994	310,939	123,668
	6.75%	6.87%	4.91%	7.37%	9.82%	8.42%	7.92%	4.62%	6.41%	9.08%	5.38%	2.99%	5.03%	7.95%	3.71%
Red Flag Computation 43	113,638	0	0	65,700	39,965	4,308	800	690	300	1,875	0	0	0	0	0
	0.10%	0.00%	0.00%	0.63%	0.37%	0.04%	0.01%	0.01%	0.00%	0.02%	0.00%	0.00%	0.00%	0.00%	0.00%
Flagged for Any of the Red Flag Computation 1-43	116,972,378	8,676,733	8,663,788	10,379,839	10,699,454	10,861,712	12,238,692	12,139,320	9,313,615	8,265,486	7,608,837	6,148,491	4,727,080	3,911,900	3,337,431
	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%

Notes

Defendant	Date Range
CVS	January 1, 2006 to November 29, 2019
Giant Eagle/HBC	January 1, 2006 to December 3, 2019
Rite Aid	January 1, 2006 to November 19, 2019
Walgreens	January 3, 2006 to January 3, 2020
Wal-Mart	January 2, 2006 to April 25, 2018

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Giant Eagle/HBC Combination Red Flagged Prescriptions Summary
Lake County, OH
Red Flag Computation 1-43, in # of Prescriptions

	Total	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Total # of Combination Red Flagged Prescriptions	56,913	2,783	3,394	4,365	5,045	5,170	6,183	6,442	5,064	4,632	4,371	3,505	2,421	1,941	1,597
Total # of Combination Red Flagged Opioid Prescriptions	45,795	2,277	2,713	3,540	4,093	4,131	4,970	5,229	3,973	3,658	3,503	2,791	1,953	1,593	1,371
Red Flag Computation 1	1,791	85	132	100	100	120	206	205	162	210	145	81	89	91	65
	3.91%	3.73%	4.87%	2.82%	2.44%	2.90%	4.14%	3.92%	4.08%	5.74%	4.14%	2.90%	4.56%	5.71%	4.74%
Red Flag Computation 2	13,128	788	829	981	998	988	1,287	1,212	1,209	1,222	1,240	913	635	501	325
	28.67%	34.61%	30.56%	27.71%	24.38%	23.92%	25.90%	23.18%	30.43%	33.41%	35.40%	32.71%	32.51%	31.45%	23.71%
Red Flag Computation 3	7,742	456	483	584	737	686	796	874	800	647	557	409	277	217	219
	16.91%	20.03%	17.80%	16.50%	18.01%	16.61%	16.02%	16.71%	20.14%	17.69%	15.90%	14.65%	14.18%	13.62%	15.97%
Red Flag Computation 4	2,710	108	161	171	267	269	270	365	264	178	222	166	113	89	67
	5.92%	4.74%	5.93%	4.83%	6.52%	6.51%	5.43%	6.98%	6.64%	4.87%	6.34%	5.95%	5.79%	5.59%	4.89%
Red Flag Computation 5	7,102	367	446	493	644	688	813	778	694	593	505	391	274	244	172
	12.48%	13.19%	13.14%	11.29%	12.77%	13.31%	13.15%	12.08%	13.70%	12.80%	11.55%	11.16%	11.32%	12.57%	10.77%
Red Flag Computation 6	1,708	64	142	135	181	231	263	222	126	152	99	36	17	19	21
	3.00%	2.30%	4.18%	3.09%	3.59%	4.47%	4.25%	3.45%	2.49%	3.28%	2.26%	1.03%	0.70%	0.98%	1.31%
Red Flag Computation 7	27,418	1,259	1,594	1,960	2,228	2,429	2,917	2,956	2,635	2,440	2,263	1,858	1,277	979	623
	48.18%	45.24%	46.97%	44.90%	44.16%	46.98%	47.18%	45.89%	52.03%	52.68%	51.77%	53.01%	52.75%	50.44%	39.01%
Red Flag Computation 8	17,163	761	1,009	1,274	1,434	1,611	1,879	1,894	1,610	1,484	1,437	1,150	731	543	346
	30.16%	27.34%	29.73%	29.19%	28.42%	31.16%	30.39%	29.40%	31.79%	32.04%	32.88%	32.81%	30.19%	27.98%	21.67%
Red Flag Computation 9	1,815	85	91	84	78	80	134	111	143	221	228	176	144	129	111
	3.96%	3.73%	3.35%	2.37%	1.91%	1.94%	2.70%	2.12%	3.60%	6.04%	6.51%	6.31%	7.37%	8.10%	8.10%
Red Flag Computation 10	1,000	56	14	41	39	54	61	55	37	32	71	53	43	15	429
	2.18%	2.46%	0.52%	1.16%	0.95%	1.31%	1.23%	1.05%	0.93%	0.87%	2.03%	1.90%	2.20%	0.94%	31.29%
Red Flag Computation 11	639	56	14	41	39	54	61	55	37	32	71	53	43	15	68
	1.40%	2.46%	0.52%	1.16%	0.95%	1.31%	1.23%	1.05%	0.93%	0.87%	2.03%	1.90%	2.20%	0.94%	4.96%
Red Flag Computation 12	1,936	71	114	139	168	158	277	307	136	109	82	45	53	96	181
	4.23%	3.12%	4.20%	3.93%	4.10%	3.82%	5.57%	5.87%	3.42%	2.98%	2.34%	1.61%	2.71%	6.03%	13.20%
Red Flag Computation 13	5,401	279	408	674	634	746	1,130	1,174	149	37	33	26	19	26	66
	11.79%	12.25%	15.04%	19.04%	15.49%	18.06%	22.74%	22.45%	3.75%	1.01%	0.94%	0.93%	0.97%	1.63%	4.81%
Red Flag Computation 14	1,246	99	144	153	162	137	196	159	110	86	0	0	0	0	0
	2.72%	4.35%	5.31%	4.32%	3.96%	3.32%	3.94%	3.04%	2.77%	2.35%	0.00%	0.00%	0.00%	0.00%	0.00%
Red Flag Computation 15	12,859	749	784	806	1,197	1,018	1,225	1,370	1,279	1,160	921	847	606	516	381
	28.08%	32.89%	28.90%	22.77%	29.25%	24.64%	24.65%	26.20%	32.19%	31.71%	26.29%	30.35%	31.03%	32.39%	27.79%
Red Flag Computation 16	3,106	0	0	640	691	605	255	424	215	142	62	41	15	14	2
	6.78%	0.00%	0.00%	18.08%	16.88%	14.65%	5.13%	8.11%	5.41%	3.88%	1.77%	1.47%	0.77%	0.88%	0.15%
Red Flag Computation 17	7,570	472	486	573	592	534	736	687	740	711	600	510	389	333	207
	13.30%	16.96%	14.32%	13.13%	11.73%	10.33%	11.90%	10.66%	14.61%	15.35%	13.73%	14.55%	16.07%	17.16%	12.96%
Red Flag Computation 18	4,079	231	229	275	325	341	392	408	413	399	404	276	192	112	82
	8.91%	10.14%	8.44%	7.77%	7.94%	8.25%	7.89%	7.80%	10.40%	10.91%	11.53%	9.89%	9.83%	7.03%	5.98%

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Giant Eagle/HBC Combination Red Flagged Prescriptions Summary
Lake County, OH
Red Flag Computation 1-43, in # of Prescriptions

	Total	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Total # of Combination Red Flagged Prescriptions	56,913	2,783	3,394	4,365	5,045	5,170	6,183	6,442	5,064	4,632	4,371	3,505	2,421	1,941	1,597
Total # of Combination Red Flagged Opioid Prescriptions	45,795	2,277	2,713	3,540	4,093	4,131	4,970	5,229	3,973	3,658	3,503	2,791	1,953	1,593	1,371
Red Flag Computation 19	1,675	97	78	108	90	128	180	177	187	176	177	124	84	40	29
	3.66%	4.26%	2.88%	3.05%	2.20%	3.10%	3.62%	3.38%	4.71%	4.81%	5.05%	4.44%	4.30%	2.51%	2.12%
Red Flag Computation 20	4,648	252	247	333	386	397	471	547	503	419	387	285	190	117	114
	10.15%	11.07%	9.10%	9.41%	9.43%	9.61%	9.48%	10.46%	12.66%	11.45%	11.05%	10.21%	9.73%	7.34%	8.32%
Red Flag Computation 21	3,051	194	178	218	255	308	320	307	322	259	265	173	115	71	66
	6.66%	8.52%	6.56%	6.16%	6.23%	7.46%	6.44%	5.87%	8.10%	7.08%	7.56%	6.20%	5.89%	4.46%	4.81%
Red Flag Computation 22	76	4	2	6	1	9	17	8	4	10	6	7	0	1	1
	0.17%	0.18%	0.07%	0.17%	0.02%	0.22%	0.34%	0.15%	0.10%	0.27%	0.17%	0.25%	0.00%	0.06%	0.07%
Red Flag Computation 23	65	4	1	6	1	6	12	6	6	14	4	4	0	1	0
	0.14%	0.18%	0.04%	0.17%	0.02%	0.15%	0.24%	0.11%	0.15%	0.38%	0.11%	0.14%	0.00%	0.06%	0.00%
Red Flag Computation 24	4,331	169	218	364	412	454	440	502	413	298	356	264	189	128	124
	9.46%	7.42%	8.04%	10.28%	10.07%	10.99%	8.85%	9.60%	10.40%	8.15%	10.16%	9.46%	9.68%	8.04%	9.04%
Red Flag Computation 25	1,753	71	114	139	168	158	277	307	103	67	57	36	37	81	138
	3.83%	3.12%	4.20%	3.93%	4.10%	3.82%	5.57%	5.87%	2.59%	1.83%	1.63%	1.29%	1.89%	5.08%	10.07%
Red Flag Computation 26	5,398	279	408	674	634	746	1,130	1,174	146	36	34	26	19	25	67
	11.79%	12.25%	15.04%	19.04%	15.49%	18.06%	22.74%	22.45%	3.67%	0.98%	0.97%	0.93%	0.97%	1.57%	4.89%
Red Flag Computation 27	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Red Flag Computation 28	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Red Flag Computation 29	998	76	113	116	129	109	161	126	94	74	0	0	0	0	0
	2.18%	3.34%	4.17%	3.28%	3.15%	2.64%	3.24%	2.41%	2.37%	2.02%	0.00%	0.00%	0.00%	0.00%	0.00%
Red Flag Computation 30	3,719	248	291	306	414	385	490	462	398	276	150	109	66	56	68
	8.12%	10.89%	10.73%	8.64%	10.11%	9.32%	9.86%	8.84%	10.02%	7.55%	4.28%	3.91%	3.38%	3.52%	4.96%
Red Flag Computation 31	2,418	91	140	169	265	166	288	311	260	219	123	148	98	64	76
	5.28%	4.00%	5.16%	4.77%	6.47%	4.02%	5.79%	5.95%	6.54%	5.99%	3.51%	5.30%	5.02%	4.02%	5.54%
Red Flag Computation 32	200	0	0	50	34	20	15	31	35	14	0	0	0	1	0
	0.44%	0.00%	0.00%	1.41%	0.83%	0.48%	0.30%	0.59%	0.88%	0.38%	0.00%	0.00%	0.00%	0.06%	0.00%
Red Flag Computation 33	568	31	25	13	73	32	50	55	40	33	34	46	43	46	47
	1.24%	1.36%	0.92%	0.37%	1.78%	0.77%	1.01%	1.05%	1.01%	0.90%	0.97%	1.65%	2.20%	2.89%	3.43%
Red Flag Computation 34	959	3	1	2	16	11	22	50	73	69	161	164	145	121	121
	2.09%	0.13%	0.04%	0.06%	0.39%	0.27%	0.44%	0.96%	1.84%	1.89%	4.60%	5.88%	7.42%	7.60%	8.83%
Red Flag Computation 35	3,859	233	337	264	389	313	221	303	364	285	278	267	180	227	198
	8.43%	10.23%	12.42%	7.46%	9.50%	7.58%	4.45%	5.79%	9.16%	7.79%	7.94%	9.57%	9.22%	14.25%	14.44%
Red Flag Computation 36	5,000	344	326	418	383	379	510	445	392	487	590	341	164	136	85
	10.92%	15.11%	12.02%	11.81%	9.36%	9.17%	10.26%	8.51%	9.87%	13.31%	16.84%	12.22%	8.40%	8.54%	6.20%

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Giant Eagle/HBC Combination Red Flagged Prescriptions Summary
Lake County, OH
Red Flag Computation 1-43, in # of Prescriptions

	Total	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Total # of Combination Red Flagged Prescriptions	56,913	2,783	3,394	4,365	5,045	5,170	6,183	6,442	5,064	4,632	4,371	3,505	2,421	1,941	1,597
Total # of Combination Red Flagged Opioid Prescriptions	45,795	2,277	2,713	3,540	4,093	4,131	4,970	5,229	3,973	3,658	3,503	2,791	1,953	1,593	1,371
Red Flag Computation 37	182	0	0	11	41	23	18	38	25	21	4	0	1	0	0
	0.40%	0.00%	0.00%	0.31%	1.00%	0.56%	0.36%	0.73%	0.63%	0.57%	0.11%	0.00%	0.05%	0.00%	0.00%
Red Flag Computation 38	23,075	1,076	1,364	1,826	2,132	2,193	2,526	2,612	2,130	1,938	1,807	1,408	915	693	455
	40.54%	38.66%	40.19%	41.83%	42.26%	42.42%	40.85%	40.55%	42.06%	41.84%	41.34%	40.17%	37.79%	35.70%	28.49%
Red Flag Computation 39	1,704	64	142	135	181	231	263	222	124	152	99	36	17	19	19
	2.99%	2.30%	4.18%	3.09%	3.59%	4.47%	4.25%	3.45%	2.45%	3.28%	2.26%	1.03%	0.70%	0.98%	1.19%
Red Flag Computation 40	992	66	24	33	57	82	95	53	59	116	146	105	108	31	17
	2.17%	2.90%	0.88%	0.93%	1.39%	1.98%	1.91%	1.01%	1.49%	3.17%	4.17%	3.76%	5.53%	1.95%	1.24%
Red Flag Computation 41	6,189	398	433	549	673	600	625	744	543	430	483	352	192	109	58
	10.87%	14.30%	12.76%	12.58%	13.34%	11.61%	10.11%	11.55%	10.72%	9.28%	11.05%	10.04%	7.93%	5.62%	3.63%
Red Flag Computation 42	3,548	232	316	256	315	319	257	305	357	372	269	162	158	143	87
	6.23%	8.34%	9.31%	5.86%	6.24%	6.17%	4.16%	4.73%	7.05%	8.03%	6.15%	4.62%	6.53%	7.37%	5.45%
Red Flag Computation 43	96	0	0	38	36	9	1	6	1	5	0	0	0	0	0
	0.17%	0.00%	0.00%	0.87%	0.71%	0.17%	0.02%	0.09%	0.02%	0.11%	0.00%	0.00%	0.00%	0.00%	0.00%
Flagged for Any of the Red Flag Computation 1-43	56,913	2,783	3,394	4,365	5,045	5,170	6,183	6,442	5,064	4,632	4,371	3,505	2,421	1,941	1,597
	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%

Notes

Defendant	Date Range
CVS	January 1, 2006 to November 29, 2019
Giant Eagle/HBC	January 1, 2006 to December 3, 2019
Rite Aid	January 1, 2006 to November 19, 2019
Walgreens	January 3, 2006 to January 3, 2020
Wal-Mart	January 2, 2006 to April 25, 2018

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Giant Eagle/HBC Combination Red Flagged Prescriptions Summary
Lake County, OH
Red Flag Computation 1-43, in Dosage Units

	Total	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Total Dosage Units of Combination Red Flagged Prescriptions	3,490,999	164,866	195,810	270,716	316,769	323,454	394,476	408,437	317,303	269,950	248,159	213,120	146,444	115,323	106,172
Total Dosage Units of Combination Red Flagged Opioid Prescriptions	2,941,844	136,450	163,003	233,074	264,487	267,674	328,719	348,291	263,075	222,360	209,500	179,368	126,362	102,633	96,848
Red Flag Computation 1	115,489	4,763	8,401	6,110	6,166	7,086	13,302	13,715	10,098	11,897	9,302	6,663	6,690	5,787	5,509
	3.93%	3.49%	5.15%	2.62%	2.33%	2.65%	4.05%	3.94%	3.84%	5.35%	4.44%	3.71%	5.29%	5.64%	5.69%
Red Flag Computation 2	718,156	42,119	49,293	61,983	60,914	55,730	72,319	63,721	58,925	57,388	56,391	50,702	37,421	30,033	21,217
	24.41%	30.87%	30.24%	26.59%	23.03%	20.82%	22.00%	18.30%	22.40%	25.81%	26.92%	28.27%	29.61%	29.26%	21.91%
Red Flag Computation 3	444,942	24,156	27,581	35,485	44,339	39,879	45,034	50,988	46,073	36,048	31,917	22,790	17,001	11,366	12,285
	15.12%	17.70%	16.92%	15.22%	16.76%	14.90%	13.70%	14.64%	17.51%	16.21%	15.23%	12.71%	13.45%	11.07%	12.68%
Red Flag Computation 4	205,247	6,770	11,229	11,938	19,730	19,244	22,053	28,208	18,167	12,862	18,131	14,674	9,133	7,616	5,492
	6.98%	4.96%	6.89%	5.12%	7.46%	7.19%	6.71%	8.10%	6.91%	5.78%	8.65%	8.18%	7.23%	7.42%	5.67%
Red Flag Computation 5	508,338	27,658	28,721	33,467	51,641	53,781	67,036	59,686	48,446	40,318	31,885	26,410	15,042	13,344	10,903
	14.56%	16.78%	14.67%	12.36%	16.30%	16.63%	16.99%	14.61%	15.27%	14.94%	12.85%	12.39%	10.27%	11.57%	10.27%
Red Flag Computation 6	125,261	5,028	7,638	8,017	14,440	18,786	22,071	15,948	9,359	11,512	6,852	3,270	554	878	908
	3.59%	3.05%	3.90%	2.96%	4.56%	5.81%	5.60%	3.90%	2.95%	4.26%	2.76%	1.53%	0.38%	0.76%	0.86%
Red Flag Computation 7	1,663,675	79,596	93,053	123,078	138,677	158,069	193,708	180,574	158,801	143,907	129,876	109,172	71,855	49,794	33,515
	47.66%	48.28%	47.52%	45.46%	43.78%	48.87%	49.11%	44.21%	50.05%	53.31%	52.34%	51.23%	49.07%	43.18%	31.57%
Red Flag Computation 8	988,342	46,990	56,751	71,901	85,495	101,864	119,391	110,830	91,387	83,596	77,118	65,505	37,770	23,238	16,506
	28.31%	28.50%	28.98%	26.56%	26.99%	31.49%	30.27%	27.14%	28.80%	30.97%	31.08%	30.74%	25.79%	20.15%	15.55%
Red Flag Computation 9	116,066	5,381	5,526	5,658	5,439	7,421	7,906	9,840	9,889	11,732	12,198	11,150	9,373	7,462	7,091
	3.95%	3.94%	3.39%	2.43%	2.06%	2.77%	2.41%	2.83%	3.76%	5.28%	5.82%	6.22%	7.42%	7.27%	7.32%
Red Flag Computation 10	93,284	2,980	750	2,879	4,243	4,763	7,364	7,529	4,510	3,377	6,160	5,001	4,120	1,160	38,448
	3.17%	2.18%	0.46%	1.24%	1.60%	1.78%	2.24%	2.16%	1.71%	1.52%	2.94%	2.79%	3.26%	1.13%	39.70%
Red Flag Computation 11	59,698	2,980	750	2,879	4,243	4,763	7,364	7,529	4,510	3,377	6,160	5,001	4,120	1,160	4,862
	2.03%	2.18%	0.46%	1.24%	1.60%	1.78%	2.24%	2.16%	1.71%	1.52%	2.94%	2.79%	3.26%	1.13%	5.02%
Red Flag Computation 12	146,153	2,174	5,759	10,771	10,188	11,643	17,973	25,151	13,071	10,648	5,030	2,715	4,026	9,330	17,674
	4.97%	1.59%	3.53%	4.62%	3.85%	4.35%	5.47%	7.22%	4.97%	4.79%	2.40%	1.51%	3.19%	9.09%	18.25%
Red Flag Computation 13	331,948	9,747	16,755	48,217	40,056	43,356	64,309	80,454	12,894	2,479	1,286	2,397	1,520	1,929	6,549
	11.28%	7.14%	10.28%	20.69%	15.14%	16.20%	19.56%	23.10%	4.90%	1.11%	0.61%	1.34%	1.20%	1.88%	6.76%
Red Flag Computation 14	118,554	11,248	14,002	15,691	14,559	12,177	18,209	15,615	9,925	7,128	0	0	0	0	0
	4.03%	8.24%	8.59%	6.73%	5.50%	4.55%	5.54%	4.48%	3.77%	3.21%	0.00%	0.00%	0.00%	0.00%	0.00%
Red Flag Computation 15	1,100,538	59,009	62,184	75,261	104,852	93,529	113,664	133,871	111,403	92,924	75,336	65,333	45,687	38,166	29,319
	37.41%	43.25%	38.15%	32.29%	39.64%	34.94%	34.58%	38.44%	42.35%	41.79%	35.96%	36.42%	36.16%	37.19%	30.27%
Red Flag Computation 16	119,974	0	0	27,356	31,016	21,674	9,360	15,138	8,706	4,162	1,268	700	242	302	50
	4.08%	0.00%	0.00%	11.74%	11.73%	8.10%	2.85%	4.35%	3.31%	1.87%	0.61%	0.39%	0.19%	0.29%	0.05%
Red Flag Computation 17	483,964	28,757	31,183	38,796	38,920	34,217	49,897	44,779	42,313	39,551	35,697	34,122	27,632	22,723	15,377
	13.86%	17.44%	15.93%	14.33%	12.29%	10.58%	12.65%	10.96%	13.34%	14.65%	14.38%	16.01%	18.87%	19.70%	14.48%
Red Flag Computation 18	173,441	10,176	10,552	13,356	13,857	14,748	17,150	16,339	17,500	16,494	16,196	12,911	7,287	4,141	2,734
	5.90%	7.46%	6.47%	5.73%	5.24%	5.51%	5.22%	4.69%	6.65%	7.42%	7.73%	7.20%	5.77%	4.03%	2.82%

CONFIDENTIAL – SUBJECT TO PROTECTIVE ORDER

Giant Eagle/HBC Combination Red Flagged Prescriptions Summary
Lake County, OH
Red Flag Computation 1-43, in Dosage Units

	Total	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Total Dosage Units of Combination Red Flagged Prescriptions	3,490,999	164,866	195,810	270,716	316,769	323,454	394,476	408,437	317,303	269,950	248,159	213,120	146,444	115,323	106,172
Total Dosage Units of Combination Red Flagged Opioid Prescriptions	2,941,844	136,450	163,003	233,074	264,487	267,674	328,719	348,291	263,075	222,360	209,500	179,368	126,362	102,633	96,848
Red Flag Computation 19	76,734	4,729	4,348	5,277	4,711	6,414	8,711	6,859	8,021	8,230	7,603	5,697	3,583	1,718	833
	2.61%	3.47%	2.67%	2.26%	1.78%	2.40%	2.65%	1.97%	3.05%	3.70%	3.63%	3.18%	2.84%	1.67%	0.86%
Red Flag Computation 20	230,811	11,875	13,946	16,296	19,547	19,533	22,905	25,797	25,468	21,746	17,916	14,836	9,930	5,617	5,399
	7.85%	8.70%	8.56%	6.99%	7.39%	7.30%	6.97%	7.41%	9.68%	9.78%	8.55%	8.27%	7.86%	5.47%	5.57%
Red Flag Computation 21	153,009	10,004	11,453	11,738	12,284	16,357	15,574	14,983	15,445	11,826	12,378	8,049	5,854	3,670	3,394
	5.20%	7.33%	7.03%	5.04%	4.64%	6.11%	4.74%	4.30%	5.87%	5.32%	5.91%	4.49%	4.63%	3.58%	3.50%
Red Flag Computation 22	3,066	109	100	170	30	361	767	188	340	379	186	361	0	60	15
	0.10%	0.08%	0.06%	0.07%	0.01%	0.13%	0.23%	0.05%	0.13%	0.17%	0.09%	0.20%	0.00%	0.06%	0.02%
Red Flag Computation 23	4,163	188	240	220	12	320	736	445	370	930	290	412	0	0	0
	0.14%	0.14%	0.15%	0.09%	0.00%	0.12%	0.22%	0.13%	0.14%	0.42%	0.14%	0.23%	0.00%	0.00%	0.00%
Red Flag Computation 24	296,096	10,063	14,270	23,123	25,341	27,385	31,360	36,355	28,579	18,865	25,868	21,741	13,121	9,983	10,042
	10.06%	7.37%	8.75%	9.92%	9.58%	10.23%	9.54%	10.44%	10.86%	8.48%	12.35%	12.12%	10.38%	9.73%	10.37%
Red Flag Computation 25	129,974	2,174	5,759	10,771	10,188	11,643	17,973	25,151	10,156	6,195	3,869	1,914	2,857	7,847	13,477
	4.42%	1.59%	3.53%	4.62%	3.85%	4.35%	5.47%	7.22%	3.86%	2.79%	1.85%	1.07%	2.26%	7.65%	13.92%
Red Flag Computation 26	331,654	9,747	16,755	48,217	40,056	43,356	64,309	80,454	12,422	2,357	1,466	2,388	1,438	1,922	6,767
	11.27%	7.14%	10.28%	20.69%	15.14%	16.20%	19.56%	23.10%	4.72%	1.06%	0.70%	1.33%	1.14%	1.87%	6.99%
Red Flag Computation 27	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Red Flag Computation 28	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Red Flag Computation 29	92,491	8,518	10,636	12,035	11,415	9,369	14,457	11,850	8,473	5,738	0	0	0	0	0
	3.14%	6.24%	6.53%	5.16%	4.32%	3.50%	4.40%	3.40%	3.22%	2.58%	0.00%	0.00%	0.00%	0.00%	0.00%
Red Flag Computation 30	307,051	21,273	23,435	26,702	34,448	31,523	42,788	40,040	33,437	21,180	10,981	7,193	4,761	3,770	5,520
	10.44%	15.59%	14.38%	11.46%	13.02%	11.78%	13.02%	11.50%	12.71%	9.53%	5.24%	4.01%	3.77%	3.67%	5.70%
Red Flag Computation 31	281,270	10,032	14,971	19,109	31,961	22,655	34,988	38,856	28,384	23,639	12,061	17,442	10,854	7,695	8,623
	9.56%	7.35%	9.18%	8.20%	12.08%	8.46%	10.64%	11.16%	10.79%	10.63%	5.76%	9.72%	8.59%	7.50%	8.90%
Red Flag Computation 32	9,488	0	0	2,207	1,683	718	540	900	2,440	1,000	0	0	0	0	0
	0.32%	0.00%	0.00%	0.95%	0.64%	0.27%	0.16%	0.26%	0.93%	0.45%	0.00%	0.00%	0.00%	0.00%	0.00%
Red Flag Computation 33	30,542	1,887	1,509	496	3,568	1,601	2,732	4,086	2,485	1,976	2,305	2,120	1,894	1,794	2,089
	1.04%	1.38%	0.93%	0.21%	1.35%	0.60%	0.83%	1.17%	0.94%	0.89%	1.10%	1.18%	1.50%	1.75%	2.16%
Red Flag Computation 34	79,119	0	120	232	1,390	1,055	2,160	4,044	6,187	5,280	14,108	13,142	11,396	9,559	10,446
	2.69%	0.00%	0.07%	0.10%	0.53%	0.39%	0.66%	1.16%	2.35%	2.37%	6.73%	7.33%	9.02%	9.31%	10.79%
Red Flag Computation 35	215,063	14,774	18,389	15,650	22,680	16,996	13,354	17,141	20,583	14,632	16,903	12,740	9,111	11,883	10,227
	7.31%	10.83%	11.28%	6.71%	8.58%	6.35%	4.06%	4.92%	7.82%	6.58%	8.07%	7.10%	7.21%	11.58%	10.56%
Red Flag Computation 36	234,367	17,947	19,266	28,315	22,592	20,299	21,512	19,000	13,374	17,524	18,853	13,989	8,008	7,971	5,717
	7.97%	13.15%	11.82%	12.15%	8.54%	7.58%	6.54%	5.46%	5.08%	7.88%	9.00%	7.80%	6.34%	7.77%	5.90%

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Giant Eagle/HBC Combination Red Flagged Prescriptions Summary
Lake County, OH
Red Flag Computation 1-43, in Dosage Units

	Total	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Total Dosage Units of Combination Red Flagged Prescriptions	3,490,999	164,866	195,810	270,716	316,769	323,454	394,476	408,437	317,303	269,950	248,159	213,120	146,444	115,323	106,172
Total Dosage Units of Combination Red Flagged Opioid Prescriptions	2,941,844	136,450	163,003	233,074	264,487	267,674	328,719	348,291	263,075	222,360	209,500	179,368	126,362	102,633	96,848
Red Flag Computation 37	17,184	0	0	815	4,015	2,260	1,962	3,415	3,170	1,487	50	0	10	0	0
	0.58%	0.00%	0.00%	0.35%	1.52%	0.84%	0.60%	0.98%	1.20%	0.67%	0.02%	0.00%	0.01%	0.00%	0.00%
Red Flag Computation 38	1,387,373	70,611	81,266	108,267	134,276	141,780	164,892	164,922	128,131	110,391	98,731	80,896	48,441	31,875	22,894
	39.74%	42.83%	41.50%	39.99%	42.39%	43.83%	41.80%	40.38%	40.38%	40.89%	39.79%	37.96%	33.08%	27.64%	21.56%
Red Flag Computation 39	124,781	5,028	7,638	8,017	14,440	18,786	22,071	15,948	9,089	11,512	6,852	3,270	554	878	698
	3.57%	3.05%	3.90%	2.96%	4.56%	5.81%	5.60%	3.90%	2.86%	4.26%	2.76%	1.53%	0.38%	0.76%	0.66%
Red Flag Computation 40	77,403	6,022	3,660	3,976	5,596	7,990	8,784	5,406	4,375	6,949	8,611	6,039	6,863	1,740	1,392
	2.63%	4.41%	2.25%	1.71%	2.12%	2.98%	2.67%	1.55%	1.66%	3.13%	4.11%	3.37%	5.43%	1.70%	1.44%
Red Flag Computation 41	503,394	32,743	31,487	44,116	55,897	52,742	57,350	62,148	43,121	34,488	36,345	29,093	13,179	6,903	3,782
	14.42%	19.86%	16.08%	16.30%	17.65%	16.31%	14.54%	15.22%	13.59%	12.78%	14.65%	13.65%	9.00%	5.99%	3.56%
Red Flag Computation 42	214,895	15,600	16,947	14,354	19,908	19,588	17,339	17,887	21,316	26,267	16,656	8,574	8,136	7,867	4,456
	6.16%	9.46%	8.65%	5.30%	6.28%	6.06%	4.40%	4.38%	6.72%	9.73%	6.71%	4.02%	5.56%	6.82%	4.20%
Red Flag Computation 43	6,901	0	0	2,917	2,876	495	60	303	0	250	0	0	0	0	0
	0.20%	0.00%	0.00%	1.08%	0.91%	0.15%	0.02%	0.07%	0.00%	0.09%	0.00%	0.00%	0.00%	0.00%	0.00%
Flagged for Any of the Red Flag Computation 1-43	3,490,999	164,866	195,810	270,716	316,769	323,454	394,476	408,437	317,303	269,950	248,159	213,120	146,444	115,323	106,172
	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%

Notes

Defendant	Date Range
CVS	January 1, 2006 to November 29, 2019
Giant Eagle/HBC	January 1, 2006 to December 3, 2019
Rite Aid	January 1, 2006 to November 19, 2019
Walgreens	January 3, 2006 to January 3, 2020
Wal-Mart	January 2, 2006 to April 25, 2018

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Giant Eagle/HBC Combination Red Flagged Prescriptions Summary
Lake County, OH
Red Flag Computation 1-43, in MME

	Total	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Total MME of Combination Red Flagged Prescriptions	35,369,391	2,115,132	1,816,061	2,294,958	2,868,229	3,142,985	3,789,461	3,943,981	3,157,521	2,716,552	2,751,160	2,381,121	1,828,247	1,374,092	1,189,891
Total MME of Combination Red Flagged Opioid Prescriptions	35,369,391	2,115,132	1,816,061	2,294,958	2,868,229	3,142,985	3,789,461	3,943,981	3,157,521	2,716,552	2,751,160	2,381,121	1,828,247	1,374,092	1,189,891
Red Flag Computation 1	1,478,026	42,085	71,110	42,835	51,135	68,199	200,020	261,960	177,755	156,233	105,878	76,963	82,230	82,865	58,760
	4.18%	1.99%	3.92%	1.87%	1.78%	2.17%	5.28%	6.64%	5.63%	5.75%	3.85%	3.23%	4.50%	6.03%	4.94%
Red Flag Computation 2	8,089,368	815,004	491,247	567,183	537,242	473,022	781,278	871,968	677,122	618,541	580,948	583,181	494,904	395,618	202,112
	22.87%	38.53%	27.05%	24.71%	18.73%	15.05%	20.62%	22.11%	21.44%	22.77%	21.12%	24.49%	27.07%	28.79%	16.99%
Red Flag Computation 3	5,469,671	342,543	355,087	351,739	517,247	453,909	548,746	622,032	557,306	432,967	428,123	291,902	236,889	163,938	167,245
	15.46%	16.19%	19.55%	15.33%	18.03%	14.44%	14.48%	15.77%	17.65%	15.94%	15.56%	12.26%	12.96%	11.93%	14.06%
Red Flag Computation 4	3,094,032	105,480	169,875	150,810	305,724	349,291	361,901	390,704	347,685	180,714	210,330	168,168	149,834	124,289	79,230
	8.75%	4.99%	9.35%	6.57%	10.66%	11.11%	9.55%	9.91%	11.01%	6.65%	7.65%	7.06%	8.20%	9.05%	6.66%
Red Flag Computation 5	4,392,374	389,655	209,979	227,615	416,303	430,978	500,684	470,120	353,146	393,696	366,068	226,952	147,838	154,717	104,625
	12.42%	18.42%	11.56%	9.92%	14.51%	13.71%	13.21%	11.92%	11.18%	14.49%	13.31%	9.53%	8.09%	11.26%	8.79%
Red Flag Computation 6	740,191	57,555	36,989	30,625	47,265	111,325	121,689	74,455	58,590	107,955	62,073	19,830	2,145	2,880	6,815
	2.09%	2.72%	2.04%	1.33%	1.65%	3.54%	3.21%	1.89%	1.86%	3.97%	2.26%	0.83%	0.12%	0.21%	0.57%
Red Flag Computation 7	15,232,860	884,449	795,151	950,266	1,178,800	1,392,699	1,628,207	1,630,295	1,388,298	1,337,427	1,294,992	1,098,416	792,310	555,543	306,008
	43.07%	41.82%	43.78%	41.41%	41.10%	44.31%	42.97%	41.34%	43.97%	49.23%	47.07%	46.13%	43.34%	40.43%	25.72%
Red Flag Computation 8	6,885,660	385,623	374,802	460,793	526,488	742,866	782,277	707,578	661,576	648,414	593,831	494,609	256,242	144,755	105,808
	19.47%	18.23%	20.64%	20.08%	18.36%	23.64%	20.64%	17.94%	20.95%	23.87%	21.58%	20.77%	14.02%	10.53%	8.89%
Red Flag Computation 9	1,785,386	141,183	84,223	65,203	59,623	109,668	83,585	159,308	132,520	151,669	199,356	198,020	164,450	131,971	104,610
	5.05%	6.67%	4.64%	2.84%	2.08%	3.49%	2.21%	4.04%	4.20%	5.58%	7.25%	8.32%	8.99%	9.60%	8.79%
Red Flag Computation 10	4,551,754	495,852	91,200	262,350	381,305	482,459	565,182	348,514	233,090	187,402	321,840	251,039	192,990	45,900	692,631
	12.87%	23.44%	5.02%	11.43%	13.29%	15.35%	14.91%	8.84%	7.38%	6.90%	11.70%	10.54%	10.56%	3.34%	58.21%
Red Flag Computation 11	4,030,431	495,852	91,200	262,350	381,305	482,459	565,182	348,514	233,090	187,402	321,840	251,039	192,990	45,900	171,308
	11.40%	23.44%	5.02%	11.43%	13.29%	15.35%	14.91%	8.84%	7.38%	6.90%	11.70%	10.54%	10.56%	3.34%	14.40%
Red Flag Computation 12	1,133,353	18,095	38,150	73,398	74,665	91,303	130,120	177,893	91,985	75,773	36,855	18,850	36,318	86,105	183,845
	3.20%	0.86%	2.10%	3.20%	2.60%	2.90%	3.43%	4.51%	2.91%	2.79%	1.34%	0.79%	1.99%	6.27%	15.45%
Red Flag Computation 13	2,387,732	75,863	119,763	327,287	284,765	309,353	458,930	572,290	95,443	16,898	10,138	13,668	15,465	18,245	69,628
	6.75%	3.59%	6.59%	14.26%	9.93%	9.84%	12.11%	14.51%	3.02%	0.62%	0.37%	0.57%	0.85%	1.33%	5.85%
Red Flag Computation 14	797,786	74,740	98,525	97,665	96,695	85,403	129,238	103,250	65,178	47,094	0	0	0	0	0
	2.26%	3.53%	5.43%	4.26%	3.37%	2.72%	3.41%	2.62%	2.06%	1.73%	0.00%	0.00%	0.00%	0.00%	0.00%
Red Flag Computation 15	18,292,246	1,346,087	910,160	950,283	1,537,962	1,597,016	1,891,945	1,975,462	1,741,706	1,509,586	1,374,328	1,269,385	987,091	741,922	459,315
	51.72%	63.64%	50.12%	41.41%	53.62%	50.81%	49.93%	50.09%	55.16%	55.57%	49.95%	53.31%	53.99%	53.99%	38.60%
Red Flag Computation 16	997,259	0	0	268,941	261,283	161,410	68,661	110,641	71,945	32,610	11,459	5,853	1,806	2,350	300
	2.82%	0.00%	0.00%	11.72%	9.11%	5.14%	1.81%	2.81%	2.28%	1.20%	0.42%	0.25%	0.10%	0.17%	0.03%
Red Flag Computation 17	5,336,163	581,176	304,501	332,968	288,888	256,765	468,766	603,978	472,415	409,998	387,135	394,098	380,542	307,948	146,988
	15.09%	27.48%	16.77%	14.51%	10.07%	8.17%	12.37%	15.31%	14.96%	15.09%	14.07%	16.55%	20.81%	22.41%	12.35%
Red Flag Computation 18	1,702,318	113,780	104,203	100,671	157,031	122,513	156,161	179,854	152,629	147,572	170,326	154,324	68,418	47,583	27,255
	4.81%	5.38%	5.74%	4.39%	5.47%	3.90%	4.12%	4.56%	4.83%	5.43%	6.19%	6.48%	3.74%	3.46%	2.29%

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Giant Eagle/HBC Combination Red Flagged Prescriptions Summary
Lake County, OH
Red Flag Computation 1-43, in MME

	Total	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Total MME of Combination Red Flagged Prescriptions	35,369,391	2,115,132	1,816,061	2,294,958	2,868,229	3,142,985	3,789,461	3,943,981	3,157,521	2,716,552	2,751,160	2,381,121	1,828,247	1,374,092	1,189,891
Total MME of Combination Red Flagged Opioid Prescriptions	35,369,391	2,115,132	1,816,061	2,294,958	2,868,229	3,142,985	3,789,461	3,943,981	3,157,521	2,716,552	2,751,160	2,381,121	1,828,247	1,374,092	1,189,891
Red Flag Computation 19	799,530	56,995	41,515	39,344	60,021	65,468	96,733	78,312	73,074	75,909	76,110	75,970	32,323	18,562	9,198
	2.26%	2.69%	2.29%	1.71%	2.09%	2.08%	2.55%	1.99%	2.31%	2.79%	2.77%	3.19%	1.77%	1.35%	0.77%
Red Flag Computation 20	2,700,568	144,756	179,490	158,884	235,865	245,037	260,278	271,257	298,614	206,587	219,154	177,616	143,550	67,898	91,585
	7.64%	6.84%	9.88%	6.92%	8.22%	7.80%	6.87%	6.88%	9.46%	7.60%	7.97%	7.46%	7.85%	4.94%	7.70%
Red Flag Computation 21	1,721,907	129,617	136,689	95,604	135,469	210,897	186,070	136,075	177,247	109,252	125,885	121,874	62,990	47,352	46,888
	4.87%	6.13%	7.53%	4.17%	4.72%	6.71%	4.91%	3.45%	5.61%	4.02%	4.58%	5.12%	3.45%	3.45%	3.94%
Red Flag Computation 22	38,870	1,043	500	1,175	225	7,195	6,645	3,730	5,250	8,880	1,568	2,098	0	450	113
	0.11%	0.05%	0.03%	0.05%	0.01%	0.23%	0.18%	0.09%	0.17%	0.33%	0.06%	0.09%	0.00%	0.03%	0.01%
Red Flag Computation 23	60,408	2,535	1,800	1,575	90	6,925	7,360	6,488	8,550	18,225	2,850	2,210	0	1,800	0
	0.17%	0.12%	0.10%	0.07%	0.00%	0.22%	0.19%	0.16%	0.27%	0.67%	0.10%	0.09%	0.00%	0.13%	0.00%
Red Flag Computation 24	4,146,323	139,898	202,370	264,495	367,327	471,027	449,526	480,464	473,112	225,171	307,842	250,068	202,021	175,375	137,630
	11.72%	6.61%	11.14%	11.53%	12.81%	14.99%	11.86%	12.18%	14.98%	8.29%	11.19%	10.50%	11.05%	12.76%	11.57%
Red Flag Computation 25	998,115	18,095	38,150	73,398	74,665	91,303	130,120	177,893	71,843	44,030	28,493	13,045	23,798	73,605	139,680
	2.82%	0.86%	2.10%	3.20%	2.60%	2.90%	3.43%	4.51%	2.28%	1.62%	1.04%	0.55%	1.30%	5.36%	11.74%
Red Flag Computation 26	2,385,725	75,863	119,763	327,287	284,765	309,353	458,930	572,290	92,053	15,983	12,388	13,570	14,850	18,210	70,423
	6.75%	3.59%	6.59%	14.26%	9.93%	9.84%	12.11%	14.51%	2.92%	0.59%	0.45%	0.57%	0.81%	1.33%	5.92%
Red Flag Computation 27	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Red Flag Computation 28	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Red Flag Computation 29	620,021	55,570	75,770	75,115	75,060	64,438	100,233	79,510	56,233	38,094	0	0	0	0	0
	1.75%	2.63%	4.17%	3.27%	2.62%	2.05%	2.65%	2.02%	1.78%	1.40%	0.00%	0.00%	0.00%	0.00%	0.00%
Red Flag Computation 30	3,713,174	297,728	264,546	256,860	416,404	468,265	585,956	445,093	331,945	213,928	146,606	90,184	89,731	33,993	71,938
	10.50%	14.08%	14.57%	11.19%	14.52%	14.90%	15.46%	11.29%	10.51%	7.87%	5.33%	3.79%	4.91%	2.47%	6.05%
Red Flag Computation 31	3,653,447	150,880	187,613	169,805	368,693	405,001	531,651	427,113	307,365	222,758	156,330	293,355	206,213	125,050	101,623
	10.33%	7.13%	10.33%	7.40%	12.85%	12.89%	14.03%	10.83%	9.73%	8.20%	5.68%	12.32%	11.28%	9.10%	8.54%
Red Flag Computation 32	150,875	0	0	61,050	24,790	8,505	5,270	8,380	32,760	9,820	0	0	0	300	0
	0.43%	0.00%	0.00%	2.66%	0.86%	0.27%	0.14%	0.21%	1.04%	0.36%	0.00%	0.00%	0.00%	0.02%	0.00%
Red Flag Computation 33	762,156	62,385	38,865	19,640	106,292	49,130	55,433	72,817	52,047	55,602	44,437	56,910	51,251	44,040	53,310
	2.15%	2.95%	2.14%	0.86%	3.71%	1.56%	1.46%	1.85%	1.65%	2.05%	1.62%	2.39%	2.80%	3.21%	4.48%
Red Flag Computation 34	1,250,357	2,808	900	1,740	25,350	24,328	86,031	103,403	126,267	101,163	173,978	157,139	155,559	131,208	160,485
	3.54%	0.13%	0.05%	0.08%	0.88%	0.77%	2.27%	2.62%	4.00%	3.72%	6.32%	6.60%	8.51%	9.55%	13.49%
Red Flag Computation 35	3,328,940	308,183	269,715	221,526	316,400	231,363	185,461	295,237	289,828	183,299	273,954	248,076	171,570	190,990	143,340
	9.41%	14.57%	14.85%	9.65%	11.03%	7.36%	4.89%	7.49%	9.18%	6.75%	9.96%	10.42%	9.38%	13.90%	12.05%
Red Flag Computation 36	2,564,709	408,550	206,666	288,476	206,473	176,589	225,804	246,676	132,898	166,647	155,294	141,740	84,005	71,368	53,525
	7.25%	19.32%	11.38%	12.57%	7.20%	5.62%	5.96%	6.25%	4.21%	6.13%	5.64%	5.95%	4.59%	5.19%	4.50%

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Giant Eagle/HBC Combination Red Flagged Prescriptions Summary
Lake County, OH
Red Flag Computation 1-43, in MME

	Total	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Total MME of Combination Red Flagged Prescriptions	35,369,391	2,115,132	1,816,061	2,294,958	2,868,229	3,142,985	3,789,461	3,943,981	3,157,521	2,716,552	2,751,160	2,381,121	1,828,247	1,374,092	1,189,891
Total MME of Combination Red Flagged Opioid Prescriptions	35,369,391	2,115,132	1,816,061	2,294,958	2,868,229	3,142,985	3,789,461	3,943,981	3,157,521	2,716,552	2,751,160	2,381,121	1,828,247	1,374,092	1,189,891
Red Flag Computation 37	132,276	0	0	5,575	32,100	21,725	17,591	25,388	22,163	7,435	250	0	50	0	0
	0.37%	0.00%	0.00%	0.24%	1.12%	0.69%	0.46%	0.64%	0.70%	0.27%	0.01%	0.00%	0.00%	0.00%	0.00%
Red Flag Computation 38	10,264,788	621,160	544,274	801,848	907,918	1,080,658	1,117,527	1,271,998	972,483	828,606	772,878	616,840	338,365	227,400	162,836
	29.02%	29.37%	29.97%	34.94%	31.65%	34.38%	29.49%	32.25%	30.80%	30.50%	28.09%	25.91%	18.51%	16.55%	13.68%
Red Flag Computation 39	736,704	57,555	36,989	30,625	47,265	111,325	121,689	74,455	56,003	107,955	62,073	19,830	2,145	2,880	5,915
	2.08%	2.72%	2.04%	1.33%	1.65%	3.54%	3.21%	1.89%	1.77%	3.97%	2.26%	0.83%	0.12%	0.21%	0.50%
Red Flag Computation 40	1,948,500	207,842	78,564	96,440	138,773	175,867	184,099	104,089	73,156	239,784	265,613	140,240	182,625	39,725	21,684
	5.51%	9.83%	4.33%	4.20%	4.84%	5.60%	4.86%	2.64%	2.32%	8.83%	9.65%	5.89%	9.99%	2.89%	1.82%
Red Flag Computation 41	3,847,249	257,439	192,856	304,662	382,284	385,310	381,204	517,066	344,411	310,080	335,710	243,193	113,768	55,703	23,565
	10.88%	12.17%	10.62%	13.28%	13.33%	12.26%	10.06%	13.11%	10.91%	11.41%	12.20%	10.21%	6.22%	4.05%	1.98%
Red Flag Computation 42	2,410,932	196,625	133,843	149,815	200,295	210,325	210,564	166,019	196,840	324,384	255,591	99,678	112,530	110,644	43,780
	6.82%	9.30%	7.37%	6.53%	6.98%	6.69%	5.56%	4.21%	6.23%	11.94%	9.29%	4.19%	6.16%	8.05%	3.68%
Red Flag Computation 43	101,813	0	0	55,710	39,680	3,213	450	585	300	1,875	0	0	0	0	0
	0.29%	0.00%	0.00%	2.43%	1.38%	0.10%	0.01%	0.01%	0.01%	0.07%	0.00%	0.00%	0.00%	0.00%	0.00%
Flagged for Any of the Red Flag Computation 1-43	35,369,391	2,115,132	1,816,061	2,294,958	2,868,229	3,142,985	3,789,461	3,943,981	3,157,521	2,716,552	2,751,160	2,381,121	1,828,247	1,374,092	1,189,891
	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%

Notes

Defendant	Date Range
CVS	January 1, 2006 to November 29, 2019
Giant Eagle/HBC	January 1, 2006 to December 3, 2019
Rite Aid	January 1, 2006 to November 19, 2019
Walgreens	January 3, 2006 to January 3, 2020
Wal-Mart	January 2, 2006 to April 25, 2018

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Giant Eagle/HBC Combination Red Flagged Prescriptions Summary
Trumbull County, OH
Red Flag Computation 1-43, in # of Prescriptions

	Total	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Total # of Combination Red Flagged Prescriptions	107,785	8,320	9,452	10,567	10,072	10,651	11,267	11,271	8,388	7,114	5,712	4,783	3,758	3,391	3,039
Total # of Combination Red Flagged Opioid Prescriptions	80,199	6,339	7,164	8,103	7,615	8,099	8,467	8,453	6,062	5,099	4,042	3,426	2,649	2,443	2,238
Red Flag Computation 1	1,098	103	99	97	119	107	137	110	89	77	47	33	26	16	38
	1.37%	1.62%	1.38%	1.20%	1.56%	1.32%	1.62%	1.30%	1.47%	1.51%	1.16%	0.96%	0.98%	0.65%	1.70%
Red Flag Computation 2	16,103	1,349	1,378	1,378	1,318	1,401	1,577	1,386	1,320	1,233	986	864	687	634	592
	20.08%	21.28%	19.24%	17.01%	17.31%	17.30%	18.63%	16.40%	21.77%	24.18%	24.39%	25.22%	25.93%	25.95%	26.45%
Red Flag Computation 3	14,143	1,004	1,202	1,526	1,315	1,383	1,607	1,538	1,102	881	709	647	484	419	326
	17.63%	15.84%	16.78%	18.83%	17.27%	17.08%	18.98%	18.19%	18.18%	17.28%	17.54%	18.88%	18.27%	17.15%	14.57%
Red Flag Computation 4	3,511	231	376	345	310	297	335	318	284	333	227	165	90	105	95
	4.38%	3.64%	5.25%	4.26%	4.07%	3.67%	3.96%	3.76%	4.68%	6.53%	5.62%	4.82%	3.40%	4.30%	4.24%
Red Flag Computation 5	14,284	989	1,251	1,248	1,317	1,364	1,728	1,645	1,346	966	703	660	452	355	260
	13.25%	11.89%	13.24%	11.81%	13.08%	12.81%	15.34%	14.59%	16.05%	13.58%	12.31%	13.80%	12.03%	10.47%	8.56%
Red Flag Computation 6	4,554	267	506	505	495	497	599	467	473	234	197	173	89	39	13
	4.23%	3.21%	5.35%	4.78%	4.91%	4.67%	5.32%	4.14%	5.64%	3.29%	3.45%	3.62%	2.37%	1.15%	0.43%
Red Flag Computation 7	61,802	4,620	5,195	5,535	5,590	5,812	6,216	6,233	5,023	4,422	3,713	3,023	2,444	2,173	1,803
	57.34%	55.53%	54.96%	52.38%	55.50%	54.57%	55.17%	55.30%	59.88%	62.16%	65.00%	63.20%	65.03%	64.08%	59.33%
Red Flag Computation 8	44,806	3,070	3,688	3,998	3,964	4,124	4,408	4,464	3,738	3,309	2,863	2,282	1,880	1,640	1,378
	41.57%	36.90%	39.02%	37.83%	39.36%	38.72%	39.12%	39.61%	44.56%	46.51%	50.12%	47.71%	50.03%	48.36%	45.34%
Red Flag Computation 9	2,953	109	218	220	230	240	359	254	241	238	268	206	119	164	87
	3.68%	1.72%	3.04%	2.72%	3.02%	2.96%	4.24%	3.00%	3.98%	4.67%	6.63%	6.01%	4.49%	6.71%	3.89%
Red Flag Computation 10	3,148	429	339	183	171	202	222	172	160	158	155	84	55	37	781
	3.93%	6.77%	4.73%	2.26%	2.25%	2.49%	2.62%	2.03%	2.64%	3.10%	3.83%	2.45%	2.08%	1.51%	34.90%
Red Flag Computation 11	2,499	429	339	183	171	202	222	172	160	158	155	84	55	37	132
	3.12%	6.77%	4.73%	2.26%	2.25%	2.49%	2.62%	2.03%	2.64%	3.10%	3.83%	2.45%	2.08%	1.51%	5.90%
Red Flag Computation 12	5,139	404	523	546	571	547	521	695	424	354	244	77	78	73	82
	6.41%	6.37%	7.30%	6.74%	7.50%	6.75%	6.15%	8.22%	6.99%	6.94%	6.04%	2.25%	2.94%	2.99%	3.66%
Red Flag Computation 13	14,223	1,391	1,673	1,929	1,923	2,071	2,193	2,329	354	128	86	33	30	54	29
	17.73%	21.94%	23.35%	23.81%	25.25%	25.57%	25.90%	27.55%	5.84%	2.51%	2.13%	0.96%	1.13%	2.21%	1.30%
Red Flag Computation 14	2,204	132	261	346	292	328	262	232	206	145	0	0	0	0	0
	2.75%	2.08%	3.64%	4.27%	3.83%	4.05%	3.09%	2.74%	3.40%	2.84%	0.00%	0.00%	0.00%	0.00%	0.00%
Red Flag Computation 15	25,166	1,754	2,409	2,811	2,367	2,601	2,757	2,617	2,047	1,482	1,058	962	868	789	644
	31.38%	27.67%	33.63%	34.69%	31.08%	32.12%	32.56%	30.96%	33.77%	29.06%	26.18%	28.08%	32.77%	32.30%	28.78%
Red Flag Computation 16	2,586	0	52	818	326	293	218	423	211	155	45	38	3	4	0
	3.22%	0.00%	0.73%	10.10%	4.28%	3.62%	2.57%	5.00%	3.48%	3.04%	1.11%	1.11%	0.11%	0.16%	0.00%
Red Flag Computation 17	9,238	785	851	782	813	806	1,037	819	658	598	493	438	394	390	374
	8.57%	9.44%	9.00%	7.40%	8.07%	7.57%	9.20%	7.27%	7.84%	8.41%	8.63%	9.16%	10.48%	11.50%	12.31%
Red Flag Computation 18	5,763	400	444	557	500	510	609	499	552	422	366	309	202	204	189
	7.19%	6.31%	6.20%	6.87%	6.57%	6.30%	7.19%	5.90%	9.11%	8.28%	9.05%	9.02%	7.63%	8.35%	8.45%

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Giant Eagle/HBC Combination Red Flagged Prescriptions Summary
Trumbull County, OH
Red Flag Computation 1-43, in # of Prescriptions

	Total	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Total # of Combination Red Flagged Prescriptions	107,785	8,320	9,452	10,567	10,072	10,651	11,267	11,271	8,388	7,114	5,712	4,783	3,758	3,391	3,039
Total # of Combination Red Flagged Opioid Prescriptions	80,199	6,339	7,164	8,103	7,615	8,099	8,467	8,453	6,062	5,099	4,042	3,426	2,649	2,443	2,238
Red Flag Computation 19	2,416	158	164	229	191	209	314	210	241	189	166	107	88	73	77
	3.01%	2.49%	2.29%	2.83%	2.51%	2.58%	3.71%	2.48%	3.98%	3.71%	4.11%	3.12%	3.32%	2.99%	3.44%
Red Flag Computation 20	6,663	432	556	664	638	714	798	717	509	400	340	252	227	228	188
	8.31%	6.81%	7.76%	8.19%	8.38%	8.82%	9.42%	8.48%	8.40%	7.84%	8.41%	7.36%	8.57%	9.33%	8.40%
Red Flag Computation 21	4,581	274	378	492	413	441	547	538	399	275	240	196	121	151	116
	5.71%	4.32%	5.28%	6.07%	5.42%	5.45%	6.46%	6.36%	6.58%	5.39%	5.94%	5.72%	4.57%	6.18%	5.18%
Red Flag Computation 22	43	1	2	10	7	0	9	2	9	3	0	0	0	0	0
	0.05%	0.02%	0.03%	0.12%	0.09%	0.00%	0.11%	0.02%	0.15%	0.06%	0.00%	0.00%	0.00%	0.00%	0.00%
Red Flag Computation 23	49	0	3	9	6	1	15	1	10	4	0	0	0	0	0
	0.06%	0.00%	0.04%	0.11%	0.08%	0.01%	0.18%	0.01%	0.16%	0.08%	0.00%	0.00%	0.00%	0.00%	0.00%
Red Flag Computation 24	4,709	343	468	464	450	448	461	364	360	394	310	232	125	149	141
	5.87%	5.41%	6.53%	5.73%	5.91%	5.53%	5.44%	4.31%	5.94%	7.73%	7.67%	6.77%	4.72%	6.10%	6.30%
Red Flag Computation 25	4,752	404	523	546	571	547	521	695	305	234	170	56	61	58	61
	5.93%	6.37%	7.30%	6.74%	7.50%	6.75%	6.15%	8.22%	5.03%	4.59%	4.21%	1.63%	2.30%	2.37%	2.73%
Red Flag Computation 26	14,185	1,391	1,673	1,929	1,923	2,071	2,193	2,329	341	117	79	31	29	50	29
	17.69%	21.94%	23.35%	23.81%	25.25%	25.57%	25.90%	27.55%	5.63%	2.29%	1.95%	0.90%	1.09%	2.05%	1.30%
Red Flag Computation 27	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Red Flag Computation 28	4	0	2	0	0	0	0	2	0	0	0	0	0	0	0
	0.00%	0.00%	0.03%	0.00%	0.00%	0.00%	0.00%	0.02%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Red Flag Computation 29	1,665	113	189	254	211	245	199	179	164	111	0	0	0	0	0
	2.08%	1.78%	2.64%	3.13%	2.77%	3.03%	2.35%	2.12%	2.71%	2.18%	0.00%	0.00%	0.00%	0.00%	0.00%
Red Flag Computation 30	5,354	405	560	700	568	577	561	552	518	375	156	111	103	99	69
	6.68%	6.39%	7.82%	8.64%	7.46%	7.12%	6.63%	6.53%	8.55%	7.35%	3.86%	3.24%	3.89%	4.05%	3.08%
Red Flag Computation 31	4,648	152	351	621	413	519	496	509	448	312	184	196	174	111	162
	5.80%	2.40%	4.90%	7.66%	5.42%	6.41%	5.86%	6.02%	7.39%	6.12%	4.55%	5.72%	6.57%	4.54%	7.24%
Red Flag Computation 32	143	0	6	60	27	15	5	21	3	5	0	0	0	1	0
	0.18%	0.00%	0.08%	0.74%	0.35%	0.19%	0.06%	0.25%	0.05%	0.10%	0.00%	0.00%	0.00%	0.04%	0.00%
Red Flag Computation 33	1,853	191	164	255	152	191	198	156	103	106	112	95	58	61	11
	2.31%	3.01%	2.29%	3.15%	2.00%	2.36%	2.34%	1.85%	1.70%	2.08%	2.77%	2.77%	2.19%	2.50%	0.49%
Red Flag Computation 34	891	6	23	25	28	42	34	39	68	72	168	178	115	48	45
	1.11%	0.09%	0.32%	0.31%	0.37%	0.52%	0.40%	0.46%	1.12%	1.41%	4.16%	5.20%	4.34%	1.96%	2.01%
Red Flag Computation 35	7,882	1,165	1,016	939	681	790	647	553	457	344	265	252	235	248	290
	9.83%	18.38%	14.18%	11.59%	8.94%	9.75%	7.64%	6.54%	7.54%	6.75%	6.56%	7.36%	8.87%	10.15%	12.96%
Red Flag Computation 36	4,856	562	500	478	359	446	452	313	391	422	338	252	137	94	112
	6.05%	8.87%	6.98%	5.90%	4.71%	5.51%	5.34%	3.70%	6.45%	8.28%	8.36%	7.36%	5.17%	3.85%	5.00%

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Giant Eagle/HBC Combination Red Flagged Prescriptions Summary
Trumbull County, OH
Red Flag Computation 1-43, in # of Prescriptions

	Total	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Total # of Combination Red Flagged Prescriptions	107,785	8,320	9,452	10,567	10,072	10,651	11,267	11,271	8,388	7,114	5,712	4,783	3,758	3,391	3,039
Total # of Combination Red Flagged Opioid Prescriptions	80,199	6,339	7,164	8,103	7,615	8,099	8,467	8,453	6,062	5,099	4,042	3,426	2,649	2,443	2,238
Red Flag Computation 37	172	7	7	8	8	6	6	8	24	18	29	18	16	14	3
	0.21%	0.11%	0.10%	0.10%	0.11%	0.07%	0.07%	0.09%	0.40%	0.35%	0.72%	0.53%	0.60%	0.57%	0.13%
Red Flag Computation 38	55,907	3,909	4,644	5,103	4,936	5,158	5,666	5,768	4,704	4,057	3,409	2,822	2,235	1,895	1,601
	51.87%	46.98%	49.13%	48.29%	49.01%	48.43%	50.29%	51.18%	56.08%	57.03%	59.68%	59.00%	59.47%	55.88%	52.68%
Red Flag Computation 39	4,473	267	506	505	495	497	599	467	433	223	192	160	81	35	13
	4.15%	3.21%	5.35%	4.78%	4.91%	4.67%	5.32%	4.14%	5.16%	3.13%	3.36%	3.35%	2.16%	1.03%	0.43%
Red Flag Computation 40	2,055	101	137	126	194	192	190	169	141	136	186	146	110	126	101
	2.56%	1.59%	1.91%	1.55%	2.55%	2.37%	2.24%	2.00%	2.33%	2.67%	4.60%	4.26%	4.15%	5.16%	4.51%
Red Flag Computation 41	21,808	1,649	1,955	2,317	1,995	2,046	2,308	2,382	1,645	1,413	1,081	1,004	774	641	598
	20.23%	19.82%	20.68%	21.93%	19.81%	19.21%	20.48%	21.13%	19.61%	19.86%	18.93%	20.99%	20.60%	18.90%	19.68%
Red Flag Computation 42	7,838	910	807	844	741	878	956	763	548	429	260	174	164	168	196
	7.27%	10.94%	8.54%	7.99%	7.36%	8.24%	8.48%	6.77%	6.53%	6.03%	4.55%	3.64%	4.36%	4.95%	6.45%
Red Flag Computation 43	79	0	0	64	3	7	3	2	0	0	0	0	0	0	0
	0.07%	0.00%	0.00%	0.61%	0.03%	0.07%	0.03%	0.02%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Flagged for Any of the Red Flag Computation 1-43	107,785	8,320	9,452	10,567	10,072	10,651	11,267	11,271	8,388	7,114	5,712	4,783	3,758	3,391	3,039
	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%

Notes

Defendant	Date Range
CVS	January 1, 2006 to November 29, 2019
Giant Eagle/HBC	January 1, 2006 to December 3, 2019
Rite Aid	January 1, 2006 to November 19, 2019
Walgreens	January 3, 2006 to January 3, 2020
Wal-Mart	January 2, 2006 to April 25, 2018

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Giant Eagle/HBC Combination Red Flagged Prescriptions Summary
Trumbull County, OH
Red Flag Computation 1-43, in Dosage Units

	Total	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Total Dosage Units of Combination Red Flagged Prescriptions	7,489,503	545,740	639,183	726,788	711,000	730,513	796,671	805,395	604,949	515,617	390,886	329,794	263,794	228,128	201,045
Total Dosage Units of Combination Red Flagged Opioid Prescriptions	5,762,548	421,061	494,516	568,468	546,073	570,491	623,831	627,544	458,764	384,718	291,795	251,188	197,816	171,931	154,352
Red Flag Computation 1	66,152	7,250	6,150	7,132	7,062	5,710	8,166	7,077	3,629	4,163	2,452	1,619	1,072	1,190	3,480
	1.15%	1.72%	1.24%	1.25%	1.29%	1.00%	1.31%	1.13%	0.79%	1.08%	0.84%	0.64%	0.54%	0.69%	2.25%
Red Flag Computation 2	915,331	76,842	76,637	79,534	76,712	79,978	94,396	83,243	73,829	61,492	45,315	48,784	44,934	39,274	34,361
	15.88%	18.25%	15.50%	13.99%	14.05%	14.02%	15.13%	13.26%	16.09%	15.98%	15.53%	19.42%	22.72%	22.84%	22.26%
Red Flag Computation 3	957,927	66,986	81,780	103,074	95,750	93,562	114,685	107,758	75,490	58,502	42,016	44,232	30,237	26,062	17,793
	16.62%	15.91%	16.54%	18.13%	17.53%	16.40%	18.38%	17.17%	16.46%	15.21%	14.40%	17.61%	15.29%	15.16%	11.53%
Red Flag Computation 4	274,220	16,043	25,413	26,049	23,991	20,805	26,152	24,330	23,197	31,119	18,258	14,780	7,558	8,918	7,607
	4.76%	3.81%	5.14%	4.58%	4.39%	3.65%	4.19%	3.88%	5.06%	8.09%	6.26%	5.88%	3.82%	5.19%	4.93%
Red Flag Computation 5	1,071,109	67,889	90,764	96,993	106,345	96,465	129,060	125,498	107,233	77,684	53,550	48,716	32,100	23,312	15,500
	14.30%	12.44%	14.20%	13.35%	14.96%	13.21%	16.20%	15.58%	17.73%	15.07%	13.70%	14.77%	12.17%	10.22%	7.71%
Red Flag Computation 6	352,307	19,906	36,117	39,557	42,098	38,912	45,031	35,570	38,529	20,265	15,337	12,332	5,568	2,581	504
	4.70%	3.65%	5.65%	5.44%	5.92%	5.33%	5.65%	4.42%	6.37%	3.93%	3.92%	3.74%	2.11%	1.13%	0.25%
Red Flag Computation 7	4,472,451	314,493	366,105	403,190	421,195	416,768	452,665	461,251	370,361	330,937	267,364	217,030	174,429	153,073	123,590
	59.72%	57.63%	57.28%	55.48%	59.24%	57.05%	56.82%	57.27%	61.22%	64.18%	68.40%	65.81%	66.12%	67.10%	61.47%
Red Flag Computation 8	3,286,167	218,149	264,100	291,769	304,165	299,618	316,866	331,731	275,814	253,900	208,246	163,053	135,564	121,692	101,500
	43.88%	39.97%	41.32%	40.14%	42.78%	41.01%	39.77%	41.19%	45.59%	49.24%	53.28%	49.44%	51.39%	53.34%	50.49%
Red Flag Computation 9	217,081	8,041	13,094	17,027	19,813	18,629	35,091	20,583	19,173	16,258	18,441	13,460	5,821	7,427	4,223
	3.77%	1.91%	2.65%	3.00%	3.63%	3.27%	5.63%	3.28%	4.18%	4.23%	6.32%	5.36%	2.94%	4.32%	2.74%
Red Flag Computation 10	245,142	40,099	29,540	14,414	13,483	10,727	13,328	8,822	14,696	12,167	11,173	6,305	4,460	2,368	63,560
	4.25%	9.52%	5.97%	2.54%	2.47%	1.88%	2.14%	1.41%	3.20%	3.16%	3.83%	2.51%	2.25%	1.38%	41.18%
Red Flag Computation 11	188,530	40,099	29,540	14,414	13,483	10,727	13,328	8,822	14,696	12,167	11,173	6,305	4,460	2,368	6,948
	3.27%	9.52%	5.97%	2.54%	2.47%	1.88%	2.14%	1.41%	3.20%	3.16%	3.83%	2.51%	2.25%	1.38%	4.50%
Red Flag Computation 12	405,449	22,995	38,169	41,876	41,058	42,218	42,562	53,144	38,053	33,155	25,186	6,556	6,455	6,702	7,320
	7.04%	5.46%	7.72%	7.37%	7.52%	7.40%	6.82%	8.47%	8.29%	8.62%	8.63%	2.61%	3.26%	3.90%	4.74%
Red Flag Computation 13	964,814	78,392	111,430	130,711	129,818	135,565	157,246	162,409	27,499	10,272	9,164	2,560	2,690	4,413	2,645
	16.74%	18.62%	22.53%	22.99%	23.77%	23.76%	25.21%	25.88%	5.99%	2.67%	3.14%	1.02%	1.36%	2.57%	1.71%
Red Flag Computation 14	208,413	10,718	25,078	32,850	27,217	29,350	25,290	23,696	19,670	14,544	0	0	0	0	0
	3.62%	2.55%	5.07%	5.78%	4.98%	5.14%	4.05%	3.78%	4.29%	3.78%	0.00%	0.00%	0.00%	0.00%	0.00%
Red Flag Computation 15	2,062,245	138,728	189,532	230,080	200,119	212,435	227,046	226,184	178,076	134,334	81,767	78,712	67,830	53,910	43,492
	35.79%	32.95%	38.33%	40.47%	36.65%	37.24%	36.40%	36.04%	38.82%	34.92%	28.02%	31.34%	34.29%	31.36%	28.18%
Red Flag Computation 16	111,433	0	2,843	43,839	15,584	14,042	7,555	13,108	6,433	5,035	1,391	1,147	76	380	0
	1.93%	0.00%	0.57%	7.71%	2.85%	2.46%	1.21%	2.09%	1.40%	1.31%	0.48%	0.46%	0.04%	0.22%	0.00%
Red Flag Computation 17	577,922	48,464	53,177	50,003	52,558	51,034	65,281	52,611	43,473	33,903	26,839	26,597	26,064	23,914	24,004
	7.72%	8.88%	8.32%	6.88%	7.39%	6.99%	8.19%	6.53%	7.19%	6.58%	6.87%	8.06%	9.88%	10.48%	11.94%
Red Flag Computation 18	304,637	22,257	24,331	31,647	27,281	28,538	34,634	28,669	28,736	20,735	16,284	15,763	9,510	8,342	7,910
	5.29%	5.29%	4.92%	5.57%	5.00%	5.00%	5.55%	4.57%	6.26%	5.39%	5.58%	6.28%	4.81%	4.85%	5.12%

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Giant Eagle/HBC Combination Red Flagged Prescriptions Summary
Trumbull County, OH
Red Flag Computation 1-43, in Dosage Units

	Total	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Total Dosage Units of Combination Red Flagged Prescriptions	7,489,503	545,740	639,183	726,788	711,000	730,513	796,671	805,395	604,949	515,617	390,886	329,794	263,794	228,128	201,045
Total Dosage Units of Combination Red Flagged Opioid Prescriptions	5,762,548	421,061	494,516	568,468	546,073	570,491	623,831	627,544	458,764	384,718	291,795	251,188	197,816	171,931	154,352
Red Flag Computation 19	131,811	9,757	9,597	11,673	10,734	11,866	17,652	11,692	13,572	10,728	8,763	4,990	4,477	3,230	3,080
	2.29%	2.32%	1.94%	2.05%	1.97%	2.08%	2.83%	1.86%	2.96%	2.79%	3.00%	1.99%	2.26%	1.88%	2.00%
Red Flag Computation 20	367,809	27,823	32,963	34,892	35,239	41,124	46,619	38,615	27,239	22,231	18,040	12,373	11,903	11,345	7,403
	6.38%	6.61%	6.67%	6.14%	6.45%	7.21%	7.47%	6.15%	5.94%	5.78%	6.18%	4.93%	6.02%	6.60%	4.80%
Red Flag Computation 21	256,875	17,250	22,810	27,148	22,007	25,854	32,477	28,335	22,136	16,305	12,631	9,738	6,145	8,666	5,373
	4.46%	4.10%	4.61%	4.78%	4.03%	4.53%	5.21%	4.52%	4.83%	4.24%	4.33%	3.88%	3.11%	5.04%	3.48%
Red Flag Computation 22	1,468	56	56	216	199	0	430	60	249	202	0	0	0	0	0
	0.03%	0.01%	0.01%	0.04%	0.04%	0.00%	0.07%	0.01%	0.05%	0.05%	0.00%	0.00%	0.00%	0.00%	0.00%
Red Flag Computation 23	2,380	0	108	220	387	60	905	30	298	372	0	0	0	0	0
	0.04%	0.00%	0.02%	0.04%	0.07%	0.01%	0.15%	0.00%	0.06%	0.10%	0.00%	0.00%	0.00%	0.00%	0.00%
Red Flag Computation 24	341,454	23,132	31,197	30,872	30,957	29,557	34,210	27,021	28,274	33,975	23,725	17,975	9,200	11,104	10,255
	5.93%	5.49%	6.31%	5.43%	5.67%	5.18%	5.48%	4.31%	6.16%	8.83%	8.13%	7.16%	4.65%	6.46%	6.64%
Red Flag Computation 25	366,583	22,995	38,169	41,876	41,058	42,218	42,562	53,144	26,024	21,078	17,306	4,726	5,147	5,051	5,229
	6.36%	5.46%	7.72%	7.37%	7.52%	7.40%	6.82%	8.47%	5.67%	5.48%	5.93%	1.88%	2.60%	2.94%	3.39%
Red Flag Computation 26	961,208	78,392	111,430	130,711	129,818	135,565	157,246	162,409	26,374	9,117	8,214	2,456	2,630	4,201	2,645
	16.68%	18.62%	22.53%	22.99%	23.77%	23.76%	25.21%	25.88%	5.75%	2.37%	2.81%	0.98%	1.33%	2.44%	1.71%
Red Flag Computation 27	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Red Flag Computation 28	280	0	240	0	0	0	0	40	0	0	0	0	0	0	0
	0.00%	0.00%	0.05%	0.00%	0.00%	0.00%	0.00%	0.01%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Red Flag Computation 29	151,613	9,128	17,893	23,470	18,615	21,227	18,050	17,351	15,135	10,744	0	0	0	0	0
	2.63%	2.17%	3.62%	4.13%	3.41%	3.72%	2.89%	2.76%	3.30%	2.79%	0.00%	0.00%	0.00%	0.00%	0.00%
Red Flag Computation 30	466,674	32,661	45,812	63,465	49,146	49,972	49,946	52,833	46,059	35,097	11,549	9,555	8,306	7,604	4,669
	8.10%	7.76%	9.26%	11.16%	9.00%	8.76%	8.01%	8.42%	10.04%	9.12%	3.96%	3.80%	4.20%	4.42%	3.02%
Red Flag Computation 31	531,338	16,959	37,570	65,658	46,474	57,961	55,426	64,541	56,467	39,354	21,493	21,700	22,721	11,174	13,840
	9.22%	4.03%	7.60%	11.55%	8.51%	10.16%	8.88%	10.28%	12.31%	10.23%	7.37%	8.64%	11.49%	6.50%	8.97%
Red Flag Computation 32	13,730	0	660	6,660	2,080	1,580	580	1,510	300	240	0	0	0	120	0
	0.24%	0.00%	0.13%	1.17%	0.38%	0.28%	0.09%	0.24%	0.07%	0.06%	0.00%	0.00%	0.00%	0.07%	0.00%
Red Flag Computation 33	84,705	8,591	7,683	8,999	8,103	8,010	8,602	7,282	5,270	6,634	5,296	4,924	2,416	2,405	490
	1.47%	2.04%	1.55%	1.58%	1.48%	1.40%	1.38%	1.16%	1.15%	1.72%	1.81%	1.96%	1.22%	1.40%	0.32%
Red Flag Computation 34	73,795	190	1,494	1,860	1,930	3,140	3,246	3,005	5,380	4,816	14,748	16,208	10,327	4,081	3,370
	1.28%	0.05%	0.30%	0.33%	0.35%	0.55%	0.52%	0.48%	1.17%	1.25%	5.05%	6.45%	5.22%	2.37%	2.18%
Red Flag Computation 35	395,187	61,206	48,263	46,878	34,807	40,831	33,797	30,221	25,011	19,485	12,778	12,207	9,691	8,369	11,643
	6.86%	14.54%	9.76%	8.25%	6.37%	7.16%	5.42%	4.82%	5.45%	5.06%	4.38%	4.86%	4.90%	4.87%	7.54%
Red Flag Computation 36	226,443	29,392	24,737	24,903	18,264	22,475	24,488	15,376	14,982	12,610	10,398	10,310	7,437	4,944	6,127
	3.93%	6.98%	5.00%	4.38%	3.34%	3.94%	3.93%	2.45%	3.27%	3.28%	3.56%	4.10%	3.76%	2.88%	3.97%

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Giant Eagle/HBC Combination Red Flagged Prescriptions Summary
Trumbull County, OH
Red Flag Computation 1-43, in Dosage Units

	Total	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Total Dosage Units of Combination Red Flagged Prescriptions	7,489,503	545,740	639,183	726,788	711,000	730,513	796,671	805,395	604,949	515,617	390,886	329,794	263,794	228,128	201,045
Total Dosage Units of Combination Red Flagged Opioid Prescriptions	5,762,548	421,061	494,516	568,468	546,073	570,491	623,831	627,544	458,764	384,718	291,795	251,188	197,816	171,931	154,352
Red Flag Computation 37	25,875	684	720	800	940	720	612	850	3,620	2,820	2,560	4,320	3,329	3,540	360
	0.45%	0.16%	0.15%	0.14%	0.17%	0.13%	0.10%	0.14%	0.79%	0.73%	0.88%	1.72%	1.68%	2.06%	0.23%
Red Flag Computation 38	4,086,240	280,580	337,219	369,940	378,595	374,014	406,389	425,031	347,251	307,308	246,405	199,701	158,612	137,587	117,608
	54.56%	51.41%	52.76%	50.90%	53.25%	51.20%	51.01%	52.77%	57.40%	59.60%	63.04%	60.55%	60.13%	60.31%	58.50%
Red Flag Computation 39	344,429	19,906	36,117	39,557	42,098	38,912	45,031	35,570	34,265	19,100	14,887	11,327	5,024	2,131	504
	4.60%	3.65%	5.65%	5.44%	5.92%	5.33%	5.65%	4.42%	5.66%	3.70%	3.81%	3.43%	1.90%	0.93%	0.25%
Red Flag Computation 40	123,092	7,756	9,760	8,062	13,100	11,494	13,536	8,392	7,508	7,367	9,267	8,189	6,210	7,228	5,223
	2.14%	1.84%	1.97%	1.42%	2.40%	2.01%	2.17%	1.34%	1.64%	1.91%	3.18%	3.26%	3.14%	4.20%	3.38%
Red Flag Computation 41	1,683,672	118,274	148,555	176,498	164,282	152,871	173,224	190,106	129,577	111,792	80,566	76,704	60,285	52,526	48,412
	22.48%	21.67%	23.24%	24.28%	23.11%	20.93%	21.74%	23.60%	21.42%	21.68%	20.61%	23.26%	22.85%	23.02%	24.08%
Red Flag Computation 42	455,769	46,991	42,588	49,669	48,460	47,826	60,040	47,403	35,393	29,123	13,570	9,640	8,922	7,790	8,354
	6.09%	8.61%	6.66%	6.83%	6.82%	6.55%	7.54%	5.89%	5.85%	5.65%	3.47%	2.92%	3.38%	3.41%	4.16%
Red Flag Computation 43	3,427	0	0	2,660	312	339	65	51	0	0	0	0	0	0	0
	0.05%	0.00%	0.00%	0.37%	0.04%	0.05%	0.01%	0.01%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Flagged for Any of the Red Flag Computation 1-43	7,489,503	545,740	639,183	726,788	711,000	730,513	796,671	805,395	604,949	515,617	390,886	329,794	263,794	228,128	201,045
	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%

Notes

Defendant	Date Range
CVS	January 1, 2006 to November 29, 2019
Giant Eagle/HBC	January 1, 2006 to December 3, 2019
Rite Aid	January 1, 2006 to November 19, 2019
Walgreens	January 3, 2006 to January 3, 2020
Wal-Mart	January 2, 2006 to April 25, 2018

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Giant Eagle/HBC Combination Red Flagged Prescriptions Summary
Trumbull County, OH
Red Flag Computation 1-43, in MME

	Total	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Total MME of Combination Red Flagged Prescriptions	81,602,987	6,561,600	6,847,728	8,084,880	7,831,225	7,718,728	8,449,231	8,195,339	6,156,093	5,548,934	4,857,677	3,767,370	2,898,833	2,537,809	2,147,541
Total MME of Combination Red Flagged Opioid Prescriptions	81,602,987	6,561,600	6,847,728	8,084,880	7,831,225	7,718,728	8,449,231	8,195,339	6,156,093	5,548,934	4,857,677	3,767,370	2,898,833	2,537,809	2,147,541
Red Flag Computation 1	922,888	87,040	91,398	119,370	124,958	94,954	109,398	68,420	43,415	59,870	28,068	21,444	12,068	11,095	51,393
	1.13%	1.33%	1.33%	1.48%	1.60%	1.23%	1.29%	0.83%	0.71%	1.08%	0.58%	0.57%	0.42%	0.44%	2.39%
Red Flag Computation 2	13,102,017	958,988	1,109,657	1,289,242	1,196,416	1,088,742	1,331,111	1,232,376	964,784	786,978	589,474	618,326	692,450	695,215	548,260
	16.06%	14.62%	16.20%	15.95%	15.28%	14.11%	15.75%	15.04%	15.67%	14.18%	12.13%	16.41%	23.89%	27.39%	25.53%
Red Flag Computation 3	15,542,599	1,185,152	1,342,173	1,767,042	1,652,527	1,438,269	1,804,837	1,753,225	1,136,234	884,307	665,839	654,097	568,979	436,790	253,131
	19.05%	18.06%	19.60%	21.86%	21.10%	18.63%	21.36%	21.39%	18.46%	15.94%	13.71%	17.36%	19.63%	17.21%	11.79%
Red Flag Computation 4	4,790,598	325,984	566,006	510,838	416,395	346,180	476,366	460,788	390,409	472,827	268,833	191,591	110,788	133,743	119,853
	5.87%	4.97%	8.27%	6.32%	5.32%	4.48%	5.64%	5.62%	6.34%	8.52%	5.53%	5.09%	3.82%	5.27%	5.58%
Red Flag Computation 5	9,016,246	520,755	581,958	750,605	1,160,743	889,316	1,151,312	979,019	771,036	606,279	397,932	349,379	267,879	360,593	229,443
	11.05%	7.94%	8.50%	9.28%	14.82%	11.52%	13.63%	11.95%	12.52%	10.93%	8.19%	9.27%	9.24%	14.21%	10.68%
Red Flag Computation 6	2,330,057	118,993	149,408	152,828	309,968	320,462	429,975	243,848	246,910	153,630	66,263	80,965	40,370	14,305	2,135
	2.86%	1.81%	2.18%	1.89%	3.96%	4.15%	5.09%	2.98%	4.01%	2.77%	1.36%	2.15%	1.39%	0.56%	0.10%
Red Flag Computation 7	43,960,959	3,192,702	3,355,196	3,673,093	4,152,726	4,115,366	4,604,693	4,277,950	3,593,057	3,382,464	3,180,572	2,216,859	1,639,551	1,460,748	1,115,982
	53.87%	48.66%	49.00%	45.43%	53.03%	53.32%	54.50%	52.20%	58.37%	60.96%	65.48%	58.84%	56.56%	57.56%	51.97%
Red Flag Computation 8	26,272,762	1,865,388	2,064,009	2,031,320	2,274,008	2,499,010	2,840,256	2,588,819	2,147,889	1,964,351	1,923,782	1,380,172	1,041,778	873,783	778,200
	32.20%	28.43%	30.14%	25.12%	29.04%	32.38%	33.62%	31.59%	34.89%	35.40%	39.60%	36.63%	35.94%	34.43%	36.24%
Red Flag Computation 9	3,088,702	108,169	204,099	179,687	219,451	227,398	564,403	234,785	278,793	237,965	290,033	227,436	119,211	137,438	59,838
	3.79%	1.65%	2.98%	2.22%	2.80%	2.95%	6.68%	2.86%	4.53%	4.29%	5.97%	6.04%	4.11%	5.42%	2.79%
Red Flag Computation 10	17,397,067	2,053,870	1,480,678	1,614,980	1,660,845	1,391,355	1,556,120	1,309,030	1,226,700	1,234,745	1,318,554	639,760	365,190	236,540	1,308,700
	21.32%	31.30%	21.62%	19.98%	21.21%	18.03%	18.42%	15.97%	19.93%	22.25%	27.14%	16.98%	12.60%	9.32%	60.94%
Red Flag Computation 11	16,467,507	2,053,870	1,480,678	1,614,980	1,660,845	1,391,355	1,556,120	1,309,030	1,226,700	1,234,745	1,318,554	639,760	365,190	236,540	379,140
	20.18%	31.30%	21.62%	19.98%	21.21%	18.03%	18.42%	15.97%	19.93%	22.25%	27.14%	16.98%	12.60%	9.32%	17.65%
Red Flag Computation 12	3,775,210	178,500	325,695	380,890	358,555	396,293	399,828	477,095	350,665	327,200	276,688	62,345	67,593	80,673	93,193
	4.63%	2.72%	4.76%	4.71%	4.58%	5.13%	4.73%	5.82%	5.70%	5.90%	5.70%	1.65%	2.33%	3.18%	4.34%
Red Flag Computation 13	8,390,201	611,593	923,353	1,116,138	1,091,235	1,217,758	1,429,820	1,404,958	247,765	101,890	102,045	25,870	27,369	52,505	37,905
	10.28%	9.32%	13.48%	13.81%	13.93%	15.78%	16.92%	17.14%	4.02%	1.84%	2.10%	0.69%	0.94%	2.07%	1.77%
Red Flag Computation 14	1,669,880	83,415	193,575	266,585	217,898	243,250	202,878	189,460	160,865	111,955	0	0	0	0	0
	2.05%	1.27%	2.83%	3.30%	2.78%	3.15%	2.40%	2.31%	2.61%	2.02%	0.00%	0.00%	0.00%	0.00%	0.00%
Red Flag Computation 15	42,652,061	3,267,718	3,657,727	4,718,009	4,390,310	4,031,938	4,217,526	4,158,809	3,203,077	2,904,130	2,561,380	1,939,165	1,464,087	1,308,879	829,307
	52.27%	49.80%	53.42%	58.36%	56.06%	52.24%	49.92%	50.75%	52.03%	52.34%	52.73%	51.47%	50.51%	51.58%	38.62%
Red Flag Computation 16	992,537	0	21,490	385,193	154,675	123,644	69,503	121,505	44,823	49,283	10,288	7,295	1,020	3,820	0
	1.22%	0.00%	0.31%	4.76%	1.98%	1.60%	0.82%	1.48%	0.73%	0.89%	0.21%	0.19%	0.04%	0.15%	0.00%
Red Flag Computation 17	7,698,517	532,133	725,694	884,367	745,855	631,396	806,920	687,449	517,405	333,537	266,515	321,906	400,851	472,213	372,279
	9.43%	8.11%	10.60%	10.94%	9.52%	8.18%	9.55%	8.39%	8.40%	6.01%	5.49%	8.54%	13.83%	18.61%	17.34%
Red Flag Computation 18	3,813,549	308,641	357,070	398,334	336,103	292,614	449,984	384,144	327,696	217,522	199,062	174,156	141,420	124,646	102,160
	4.67%	4.70%	5.21%	4.93%	4.29%	3.79%	5.33%	4.69%	5.32%	3.92%	4.10%	4.62%	4.88%	4.91%	4.76%

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Giant Eagle/HBC Combination Red Flagged Prescriptions Summary
Trumbull County, OH
Red Flag Computation 1-43, in MME

	Total	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Total MME of Combination Red Flagged Prescriptions	81,602,987	6,561,600	6,847,728	8,084,880	7,831,225	7,718,728	8,449,231	8,195,339	6,156,093	5,548,934	4,857,677	3,767,370	2,898,833	2,537,809	2,147,541
Total MME of Combination Red Flagged Opioid Prescriptions	81,602,987	6,561,600	6,847,728	8,084,880	7,831,225	7,718,728	8,449,231	8,195,339	6,156,093	5,548,934	4,857,677	3,767,370	2,898,833	2,537,809	2,147,541
Red Flag Computation 19	1,831,975	121,663	153,243	158,784	157,115	135,363	281,742	181,105	159,088	137,298	125,759	50,928	70,174	43,797	55,920
	2.24%	1.85%	2.24%	1.96%	2.01%	1.75%	3.33%	2.21%	2.58%	2.47%	2.59%	1.35%	2.42%	1.73%	2.60%
Red Flag Computation 20	6,218,216	522,913	588,495	735,706	709,699	646,977	789,148	673,471	357,487	294,618	273,152	140,276	201,122	160,326	124,828
	7.62%	7.97%	8.59%	9.10%	9.06%	8.38%	9.34%	8.22%	5.81%	5.31%	5.62%	3.72%	6.94%	6.32%	5.81%
Red Flag Computation 21	3,877,130	250,880	361,459	411,194	326,089	364,250	571,535	443,763	333,563	189,664	204,087	115,922	117,948	120,090	66,689
	4.75%	3.82%	5.28%	5.09%	4.16%	4.72%	6.76%	5.41%	5.42%	3.42%	4.20%	3.08%	4.07%	4.73%	3.11%
Red Flag Computation 22	28,948	420	380	1,960	1,263	0	18,025	450	3,585	2,865	0	0	0	0	0
	0.04%	0.01%	0.01%	0.02%	0.02%	0.00%	0.21%	0.01%	0.06%	0.05%	0.00%	0.00%	0.00%	0.00%	0.00%
Red Flag Computation 23	53,685	0	2,000	1,530	2,798	300	28,913	225	4,330	13,590	0	0	0	0	0
	0.07%	0.00%	0.03%	0.02%	0.04%	0.00%	0.34%	0.00%	0.07%	0.24%	0.00%	0.00%	0.00%	0.00%	0.00%
Red Flag Computation 24	5,816,680	477,893	626,751	637,660	519,605	463,506	605,362	470,371	430,300	522,424	339,782	259,661	134,837	171,286	157,245
	7.13%	7.28%	9.15%	7.89%	6.64%	6.00%	7.16%	5.74%	6.99%	9.41%	6.99%	6.89%	4.65%	6.75%	7.32%
Red Flag Computation 25	3,371,985	178,500	325,695	380,890	358,555	396,293	399,828	477,095	237,098	208,105	187,118	42,620	52,293	59,733	68,165
	4.13%	2.72%	4.76%	4.71%	4.58%	5.13%	4.73%	5.82%	3.85%	3.75%	3.85%	1.13%	1.80%	2.35%	3.17%
Red Flag Computation 26	8,352,996	611,593	923,353	1,116,138	1,091,235	1,217,758	1,429,820	1,404,958	238,490	90,365	90,395	24,900	26,469	49,620	37,905
	10.24%	9.32%	13.48%	13.81%	13.93%	15.78%	16.92%	17.14%	3.87%	1.63%	1.86%	0.66%	0.91%	1.96%	1.77%
Red Flag Computation 27	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Red Flag Computation 28	2,000	0	1,800	0	0	0	0	200	0	0	0	0	0	0	0
	0.00%	0.00%	0.03%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Red Flag Computation 29	1,205,995	71,190	138,325	187,803	147,333	173,843	143,378	136,155	124,915	83,055	0	0	0	0	0
	1.48%	1.08%	2.02%	2.32%	1.88%	2.25%	1.70%	1.66%	2.03%	1.50%	0.00%	0.00%	0.00%	0.00%	0.00%
Red Flag Computation 30	5,858,149	511,960	591,002	772,804	605,153	593,507	577,720	588,355	525,279	444,791	195,145	144,129	130,072	124,402	53,833
	7.18%	7.80%	8.63%	9.56%	7.73%	7.69%	6.84%	7.18%	8.53%	8.02%	4.02%	3.83%	4.49%	4.90%	2.51%
Red Flag Computation 31	5,819,137	237,273	334,633	637,180	467,420	588,198	533,203	658,645	542,232	405,825	495,048	294,428	293,670	155,970	175,415
	7.13%	3.62%	4.89%	7.88%	5.97%	7.62%	6.31%	8.04%	8.81%	7.31%	10.19%	7.82%	10.13%	6.15%	8.17%
Red Flag Computation 32	141,055	0	5,325	72,970	18,655	12,040	9,220	17,560	1,500	1,865	0	0	0	1,920	0
	0.17%	0.00%	0.08%	0.90%	0.24%	0.16%	0.11%	0.21%	0.02%	0.03%	0.00%	0.00%	0.00%	0.08%	0.00%
Red Flag Computation 33	3,539,867	264,893	264,945	384,728	263,685	400,074	404,347	285,015	200,102	393,125	275,785	239,090	79,250	72,290	12,540
	4.34%	4.04%	3.87%	4.76%	3.37%	5.18%	4.79%	3.48%	3.25%	7.08%	5.68%	6.35%	2.73%	2.85%	0.58%
Red Flag Computation 34	1,588,069	7,600	37,440	62,852	59,250	121,389	58,995	126,353	193,625	148,568	254,030	280,115	155,123	49,748	32,983
	1.95%	0.12%	0.55%	0.78%	0.76%	1.57%	0.70%	1.54%	3.15%	2.68%	5.23%	7.44%	5.35%	1.96%	1.54%
Red Flag Computation 35	7,361,260	1,041,451	781,523	791,574	668,615	868,170	676,374	473,404	421,176	541,658	293,539	255,423	198,017	169,784	180,554
	9.02%	15.87%	11.41%	9.79%	8.54%	11.25%	8.01%	5.78%	6.84%	9.76%	6.04%	6.78%	6.83%	6.69%	8.41%
Red Flag Computation 36	2,480,788	312,246	296,261	300,255	204,065	194,379	291,638	180,627	148,539	156,185	96,460	104,473	74,435	41,005	80,221
	3.04%	4.76%	4.33%	3.71%	2.61%	2.52%	3.45%	2.20%	2.41%	2.81%	1.99%	2.77%	2.57%	1.62%	3.74%

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Giant Eagle/HBC Combination Red Flagged Prescriptions Summary
Trumbull County, OH
Red Flag Computation 1-43, in MME

	Total	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Total MME of Combination Red Flagged Prescriptions	81,602,987	6,561,600	6,847,728	8,084,880	7,831,225	7,718,728	8,449,231	8,195,339	6,156,093	5,548,934	4,857,677	3,767,370	2,898,833	2,537,809	2,147,541
Total MME of Combination Red Flagged Opioid Prescriptions	81,602,987	6,561,600	6,847,728	8,084,880	7,831,225	7,718,728	8,449,231	8,195,339	6,156,093	5,548,934	4,857,677	3,767,370	2,898,833	2,537,809	2,147,541
Red Flag Computation 37	299,903	7,695	8,100	9,000	10,575	8,100	6,885	5,938	20,350	21,075	36,375	62,100	46,898	51,750	5,063
	0.37%	0.12%	0.12%	0.11%	0.14%	0.10%	0.08%	0.07%	0.33%	0.38%	0.75%	1.65%	1.62%	2.04%	0.24%
Red Flag Computation 38	34,179,384	2,599,408	2,801,440	3,063,799	3,027,520	3,135,348	3,596,182	3,511,799	2,699,615	2,473,632	2,293,943	1,737,392	1,264,837	1,033,817	940,653
	41.88%	39.62%	40.91%	37.90%	38.66%	40.62%	42.56%	42.85%	43.85%	44.58%	47.22%	46.12%	43.63%	40.74%	43.80%
Red Flag Computation 39	2,259,007	118,993	149,408	152,828	309,968	320,462	429,975	243,848	212,785	142,280	61,988	66,715	36,020	11,605	2,135
	2.77%	1.81%	2.18%	1.89%	3.96%	4.15%	5.09%	2.98%	3.46%	2.56%	1.28%	1.77%	1.24%	0.46%	0.10%
Red Flag Computation 40	5,406,139	297,939	279,400	299,930	559,414	509,513	558,215	483,623	371,035	496,895	527,233	330,012	250,391	238,057	204,484
	6.62%	4.54%	4.08%	3.71%	7.14%	6.60%	6.61%	5.90%	6.03%	8.95%	10.85%	8.76%	8.64%	9.38%	9.52%
Red Flag Computation 41	16,170,479	1,335,111	1,311,857	1,741,677	1,606,845	1,477,620	1,899,165	1,699,198	1,084,318	999,013	959,938	777,231	458,003	420,058	400,449
	19.82%	20.35%	19.16%	21.54%	20.52%	19.14%	22.48%	20.73%	17.61%	18.00%	19.76%	20.63%	15.80%	16.55%	18.65%
Red Flag Computation 42	5,485,454	399,330	291,472	615,218	850,770	704,482	758,284	395,067	400,347	426,497	153,895	84,446	125,464	200,295	79,888
	6.72%	6.09%	4.26%	7.61%	10.86%	9.13%	8.97%	4.82%	6.50%	7.69%	3.17%	2.24%	4.33%	7.89%	3.72%
Red Flag Computation 43	11,825	0	0	9,990	285	1,095	350	105	0	0	0	0	0	0	0
	0.01%	0.00%	0.00%	0.12%	0.00%	0.01%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Flagged for Any of the Red Flag Computation 1-43	81,602,987	6,561,600	6,847,728	8,084,880	7,831,225	7,718,728	8,449,231	8,195,339	6,156,093	5,548,934	4,857,677	3,767,370	2,898,833	2,537,809	2,147,541
	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%

Notes

Defendant	Date Range
CVS	January 1, 2006 to November 29, 2019
Giant Eagle/HBC	January 1, 2006 to December 3, 2019
Rite Aid	January 1, 2006 to November 19, 2019
Walgreens	January 3, 2006 to January 3, 2020
Wal-Mart	January 2, 2006 to April 25, 2018

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Rite Aid Combination Red Flagged Prescriptions Summary
Lake County and Trumbull County, OH
Red Flag Computation 1-43, in # of Prescriptions

	Total	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Total # of Combination Red Flagged Prescriptions	268,128	16,433	18,132	21,367	23,112	22,688	24,803	22,964	21,573	21,318	21,162	18,383	14,808	11,914	9,471
Total # of Combination Red Flagged Opioid Prescriptions	209,395	12,690	13,842	16,679	18,090	17,749	19,520	18,106	16,834	16,880	16,776	14,391	11,437	9,066	7,335
Red Flag Computation 1	14,320	756	720	1,019	1,439	1,543	1,707	1,342	1,201	1,253	1,153	823	562	495	307
	6.84%	5.96%	5.20%	6.11%	7.95%	8.69%	8.74%	7.41%	7.13%	7.42%	6.87%	5.72%	4.91%	5.46%	4.19%
Red Flag Computation 2	57,968	3,478	4,150	5,549	5,376	5,228	5,330	5,286	4,555	4,416	4,231	3,506	2,987	2,230	1,646
	27.68%	27.41%	29.98%	33.27%	29.72%	29.46%	27.31%	29.19%	27.06%	26.16%	25.22%	24.36%	26.12%	24.60%	22.44%
Red Flag Computation 3	31,716	2,132	2,437	2,850	3,113	3,006	3,252	3,072	2,587	2,494	2,283	1,823	1,126	927	614
	15.15%	16.80%	17.61%	17.09%	17.21%	16.94%	16.66%	16.97%	15.37%	14.77%	13.61%	12.67%	9.85%	10.23%	8.37%
Red Flag Computation 4	17,500	963	829	1,129	1,431	1,334	1,446	1,808	1,635	1,775	2,143	1,274	731	610	392
	8.36%	7.59%	5.99%	6.77%	7.91%	7.52%	7.41%	9.99%	9.71%	10.52%	12.77%	8.85%	6.39%	6.73%	5.34%
Red Flag Computation 5	35,314	1,973	2,695	3,001	3,399	3,551	3,970	3,332	2,855	2,591	2,056	2,024	1,635	1,234	998
	13.17%	12.01%	14.86%	14.05%	14.71%	15.65%	16.01%	14.51%	13.23%	12.15%	9.72%	11.01%	11.04%	10.36%	10.54%
Red Flag Computation 6	9,731	533	857	997	945	853	949	962	801	602	537	529	439	366	361
	3.63%	3.24%	4.73%	4.67%	4.09%	3.76%	3.83%	4.19%	3.71%	2.82%	2.54%	2.88%	2.96%	3.07%	3.81%
Red Flag Computation 7	143,710	9,170	10,086	11,531	12,615	12,308	13,090	12,012	11,501	11,319	10,898	9,696	7,925	6,641	4,918
	53.60%	55.80%	55.63%	53.97%	54.58%	54.25%	52.78%	52.31%	53.31%	53.10%	51.50%	52.74%	53.52%	55.74%	51.93%
Red Flag Computation 8	95,633	6,211	6,866	7,425	8,025	7,718	8,066	7,704	7,773	7,408	7,367	6,711	5,740	4,920	3,699
	35.67%	37.80%	37.87%	34.75%	34.72%	34.02%	32.52%	33.55%	36.03%	34.75%	34.81%	36.51%	38.76%	41.30%	39.06%
Red Flag Computation 9	13,250	397	435	931	859	762	1,419	1,147	1,139	1,181	1,482	1,472	941	564	521
	6.33%	3.13%	3.14%	5.58%	4.75%	4.29%	7.27%	6.33%	6.77%	7.00%	8.83%	10.23%	8.23%	6.22%	7.10%
Red Flag Computation 10	25,615	1,305	1,430	1,931	2,528	2,451	2,678	2,211	1,870	1,523	1,832	1,439	810	341	3,266
	12.23%	10.28%	10.33%	11.58%	13.97%	13.81%	13.72%	12.21%	11.11%	9.02%	10.92%	10.00%	7.08%	3.76%	44.53%
Red Flag Computation 11	23,108	1,305	1,430	1,931	2,528	2,451	2,678	2,211	1,870	1,523	1,832	1,439	810	341	759
	11.04%	10.28%	10.33%	11.58%	13.97%	13.81%	13.72%	12.21%	11.11%	9.02%	10.92%	10.00%	7.08%	3.76%	10.35%
Red Flag Computation 12	24,695	573	705	952	1,560	1,827	2,089	1,862	1,799	2,198	2,669	2,530	2,242	1,983	1,706
	11.79%	4.52%	5.09%	5.71%	8.62%	10.29%	10.70%	10.28%	10.69%	13.02%	15.91%	17.58%	19.60%	21.87%	23.26%
Red Flag Computation 13	8,531	230	291	375	531	599	673	599	705	794	955	851	673	653	602
	4.07%	1.81%	2.10%	2.25%	2.94%	3.37%	3.45%	3.31%	4.19%	4.70%	5.69%	5.91%	5.88%	7.20%	8.21%
Red Flag Computation 14	4,076	253	271	368	719	679	833	542	273	138	0	0	0	0	0
	1.95%	1.99%	1.96%	2.21%	3.97%	3.83%	4.27%	2.99%	1.62%	0.82%	0.00%	0.00%	0.00%	0.00%	0.00%
Red Flag Computation 15	103,042	6,102	6,870	9,153	10,145	10,036	10,915	9,349	8,031	7,738	7,773	6,563	4,630	3,511	2,226
	49.21%	48.09%	49.63%	54.88%	56.08%	56.54%	55.92%	51.63%	47.71%	45.84%	46.33%	45.60%	40.48%	38.73%	30.35%
Red Flag Computation 16	5,241	8	15	9	511	260	1,503	1,007	698	449	273	161	108	123	116
	2.50%	0.06%	0.11%	0.05%	2.82%	1.46%	7.70%	5.56%	4.15%	2.66%	1.63%	1.12%	0.94%	1.36%	1.58%
Red Flag Computation 17	44,304	2,561	3,231	4,097	4,329	4,307	4,292	4,252	3,400	3,102	3,025	2,621	2,143	1,703	1,241
	16.52%	15.58%	17.82%	19.17%	18.73%	18.98%	17.30%	18.52%	15.76%	14.55%	14.29%	14.26%	14.47%	14.29%	13.10%
Red Flag Computation 18	11,396	847	884	1,079	946	983	1,024	976	949	1,026	883	602	502	423	272
	5.44%	6.67%	6.39%	6.47%	5.23%	5.54%	5.25%	5.39%	5.64%	6.08%	5.26%	4.18%	4.39%	4.67%	3.71%

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Rite Aid Combination Red Flagged Prescriptions Summary
Lake County and Trumbull County, OH
Red Flag Computation 1-43, in # of Prescriptions

	Total	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Total # of Combination Red Flagged Prescriptions	268,128	16,433	18,132	21,367	23,112	22,688	24,803	22,964	21,573	21,318	21,162	18,383	14,808	11,914	9,471
Total # of Combination Red Flagged Opioid Prescriptions	209,395	12,690	13,842	16,679	18,090	17,749	19,520	18,106	16,834	16,880	16,776	14,391	11,437	9,066	7,335
Red Flag Computation 19	5,343	368	381	462	463	495	554	474	439	502	422	291	197	194	101
	2.55%	2.90%	2.75%	2.77%	2.56%	2.79%	2.84%	2.62%	2.61%	2.97%	2.52%	2.02%	1.72%	2.14%	1.38%
Red Flag Computation 20	14,967	1,041	1,109	1,294	1,390	1,535	1,577	1,387	1,180	1,302	1,053	819	502	456	322
	7.15%	8.20%	8.01%	7.76%	7.68%	8.65%	8.08%	7.66%	7.01%	7.71%	6.28%	5.69%	4.39%	5.03%	4.39%
Red Flag Computation 21	10,944	685	790	848	988	1,022	1,130	1,083	931	1,069	842	625	402	346	183
	5.23%	5.40%	5.71%	5.08%	5.46%	5.76%	5.79%	5.98%	5.53%	6.33%	5.02%	4.34%	3.51%	3.82%	2.49%
Red Flag Computation 22	454	24	35	42	71	40	20	30	44	57	39	26	3	18	5
	0.22%	0.19%	0.25%	0.25%	0.39%	0.23%	0.10%	0.17%	0.26%	0.34%	0.23%	0.18%	0.03%	0.20%	0.07%
Red Flag Computation 23	836	30	44	62	141	65	50	55	97	111	73	57	9	32	10
	0.40%	0.24%	0.32%	0.37%	0.78%	0.37%	0.26%	0.30%	0.58%	0.66%	0.44%	0.40%	0.08%	0.35%	0.14%
Red Flag Computation 24	24,285	1,446	1,227	1,478	1,938	1,793	1,989	2,361	2,336	2,580	2,970	1,804	950	820	593
	11.60%	11.39%	8.86%	8.86%	10.71%	10.10%	10.19%	13.04%	13.88%	15.28%	17.70%	12.54%	8.31%	9.04%	8.08%
Red Flag Computation 25	14,953	304	389	548	847	1,105	1,196	1,075	1,169	1,428	1,644	1,548	1,375	1,265	1,060
	7.14%	2.40%	2.81%	3.29%	4.68%	6.23%	6.13%	5.94%	6.94%	8.46%	9.80%	10.76%	12.02%	13.95%	14.45%
Red Flag Computation 26	7,473	190	257	346	453	523	572	530	636	673	846	738	591	587	531
	3.57%	1.50%	1.86%	2.07%	2.50%	2.95%	2.93%	2.93%	3.78%	3.99%	5.04%	5.13%	5.17%	6.47%	7.24%
Red Flag Computation 27	3	0	0	0	0	0	3	0	0	0	0	0	0	0	0
	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.02%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Red Flag Computation 28	621	34	4	12	66	79	100	73	32	57	44	31	35	38	16
	0.30%	0.27%	0.03%	0.07%	0.36%	0.45%	0.51%	0.40%	0.19%	0.34%	0.26%	0.22%	0.31%	0.42%	0.22%
Red Flag Computation 29	3,070	192	197	264	540	519	624	407	214	113	0	0	0	0	0
	1.47%	1.51%	1.42%	1.58%	2.99%	2.92%	3.20%	2.25%	1.27%	0.67%	0.00%	0.00%	0.00%	0.00%	0.00%
Red Flag Computation 30	15,527	1,244	1,489	1,904	1,986	1,938	2,202	1,628	990	719	536	315	262	186	128
	7.42%	9.80%	10.76%	11.42%	10.98%	10.92%	11.28%	8.99%	5.88%	4.26%	3.20%	2.19%	2.29%	2.05%	1.75%
Red Flag Computation 31	20,267	596	1,217	1,315	1,636	1,698	2,858	2,085	1,525	1,557	1,633	1,586	1,150	822	589
	9.68%	4.70%	8.79%	7.88%	9.04%	9.57%	14.64%	11.52%	9.06%	9.22%	9.73%	11.02%	10.06%	9.07%	8.03%
Red Flag Computation 32	623	0	0	1	111	49	183	114	78	32	35	8	11	0	1
	0.30%	0.00%	0.00%	0.01%	0.61%	0.28%	0.94%	0.63%	0.46%	0.19%	0.21%	0.06%	0.10%	0.00%	0.01%
Red Flag Computation 33	11,901	908	617	996	1,135	1,154	1,149	1,037	789	845	1,068	1,048	543	431	181
	5.68%	7.16%	4.46%	5.97%	6.27%	6.50%	5.89%	5.73%	4.69%	5.01%	6.37%	7.28%	4.75%	4.75%	2.47%
Red Flag Computation 34	3,486	0	0	0	84	176	369	418	354	411	512	477	343	204	138
	1.66%	0.00%	0.00%	0.00%	0.46%	0.99%	1.89%	2.31%	2.10%	2.43%	3.05%	3.31%	3.00%	2.25%	1.88%
Red Flag Computation 35	35,642	2,600	2,462	2,604	3,050	3,168	2,560	2,200	2,433	2,827	3,328	2,755	2,234	1,781	1,640
	17.02%	20.49%	17.79%	15.61%	16.86%	17.85%	13.11%	12.15%	14.45%	16.75%	19.84%	19.14%	19.53%	19.64%	22.36%
Red Flag Computation 36	25,691	1,358	1,786	2,769	2,825	2,638	2,578	2,594	2,003	1,771	1,716	1,338	1,173	708	434
	12.27%	10.70%	12.90%	16.60%	15.62%	14.86%	13.21%	14.33%	11.90%	10.49%	10.23%	9.30%	10.26%	7.81%	5.92%

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Rite Aid Combination Red Flagged Prescriptions Summary
Lake County and Trumbull County, OH
Red Flag Computation 1-43, in # of Prescriptions

	Total	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Total # of Combination Red Flagged Prescriptions	268,128	16,433	18,132	21,367	23,112	22,688	24,803	22,964	21,573	21,318	21,162	18,383	14,808	11,914	9,471
Total # of Combination Red Flagged Opioid Prescriptions	209,395	12,690	13,842	16,679	18,090	17,749	19,520	18,106	16,834	16,880	16,776	14,391	11,437	9,066	7,335
Red Flag Computation 37	269	2	6	13	30	48	64	45	10	8	1	7	12	12	11
	0.13%	0.02%	0.04%	0.08%	0.17%	0.27%	0.33%	0.25%	0.06%	0.05%	0.01%	0.05%	0.10%	0.13%	0.15%
Red Flag Computation 38	120,891	7,830	8,733	9,462	10,333	10,039	10,661	10,246	9,852	9,365	9,007	8,195	6,882	5,786	4,500
	45.09%	47.65%	48.16%	44.28%	44.71%	44.25%	42.98%	44.62%	45.67%	43.93%	42.56%	44.58%	46.47%	48.56%	47.51%
Red Flag Computation 39	9,291	503	808	968	920	814	895	927	767	570	497	495	419	352	356
	3.47%	3.06%	4.46%	4.53%	3.98%	3.59%	3.61%	4.04%	3.56%	2.67%	2.35%	2.69%	2.83%	2.95%	3.76%
Red Flag Computation 40	9,057	654	657	1,389	1,083	703	1,152	862	606	608	541	406	156	145	95
	4.33%	5.15%	4.75%	8.33%	5.99%	3.96%	5.90%	4.76%	3.60%	3.60%	3.22%	2.82%	1.36%	1.60%	1.30%
Red Flag Computation 41	55,296	3,599	4,321	4,598	5,055	4,619	4,899	4,655	4,063	3,855	3,715	3,598	3,221	2,751	2,347
	20.62%	21.90%	23.83%	21.52%	21.87%	20.36%	19.75%	20.27%	18.83%	18.08%	17.56%	19.57%	21.75%	23.09%	24.78%
Red Flag Computation 42	20,063	1,544	1,739	1,695	2,055	1,987	2,373	1,763	1,379	1,442	1,242	1,117	812	503	412
	7.48%	9.40%	9.59%	7.93%	8.89%	8.76%	9.57%	7.68%	6.39%	6.76%	5.87%	6.08%	5.48%	4.22%	4.35%
Red Flag Computation 43	241	0	0	0	60	11	98	38	29	1	4	0	0	0	0
	0.09%	0.00%	0.00%	0.00%	0.26%	0.05%	0.40%	0.17%	0.13%	0.00%	0.02%	0.00%	0.00%	0.00%	0.00%
Flagged for Any of the Red Flag Computation 1-43	268,128	16,433	18,132	21,367	23,112	22,688	24,803	22,964	21,573	21,318	21,162	18,383	14,808	11,914	9,471
	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%

Notes

Defendant	Date Range
CVS	January 1, 2006 to November 29, 2019
Giant Eagle/HBC	January 1, 2006 to December 3, 2019
Rite Aid	January 1, 2006 to November 19, 2019
Walgreens	January 3, 2006 to January 3, 2020
Wal-Mart	January 2, 2006 to April 25, 2018

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Rite Aid Combination Red Flagged Prescriptions Summary
Lake County and Trumbull County, OH
Red Flag Computation 1-43, in Dosage Units

	Total	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Total Dosage Units of Combination Red Flagged Prescriptions	21,162,702	1,126,148	1,338,279	1,665,865	1,822,395	1,782,476	1,995,248	1,852,706	1,767,385	1,735,987	1,719,706	1,475,046	1,187,428	947,772	746,261
Total Dosage Units of Combination Red Flagged Opioid Prescriptions	17,259,010	882,649	1,053,014	1,362,374	1,489,870	1,452,937	1,653,131	1,532,376	1,447,133	1,433,726	1,425,637	1,209,342	966,032	747,636	603,153
Red Flag Computation 1	1,264,343	54,541	58,561	80,208	118,429	133,192	165,366	127,495	111,833	111,475	105,731	77,321	50,352	42,933	26,906
	7.33%	6.18%	5.56%	5.89%	7.95%	9.17%	10.00%	8.32%	7.73%	7.78%	7.42%	6.39%	5.21%	5.74%	4.46%
Red Flag Computation 2	4,900,071	237,635	314,927	465,637	476,185	467,986	481,098	468,120	396,203	378,920	362,556	307,133	238,697	175,085	129,889
	28.39%	26.92%	29.91%	34.18%	31.96%	32.21%	29.10%	30.55%	27.38%	26.43%	25.43%	25.40%	24.71%	23.42%	21.54%
Red Flag Computation 3	2,230,858	135,831	172,325	214,356	219,472	213,252	237,160	223,926	181,764	169,899	156,635	129,514	79,209	58,215	39,300
	12.93%	15.39%	16.36%	15.73%	14.73%	14.68%	14.35%	14.61%	12.56%	11.85%	10.99%	10.71%	8.20%	7.79%	6.52%
Red Flag Computation 4	1,448,069	63,991	59,945	96,342	115,382	101,802	113,344	149,947	142,024	151,313	184,251	110,951	67,472	55,008	36,297
	8.39%	7.25%	5.69%	7.07%	7.74%	7.01%	6.86%	9.79%	9.81%	10.55%	12.92%	9.17%	6.98%	7.36%	6.02%
Red Flag Computation 5	2,845,900	156,478	215,528	245,943	273,718	283,458	319,513	273,984	231,505	211,822	164,422	165,246	123,766	100,939	79,578
	13.45%	13.89%	16.10%	14.76%	15.02%	15.90%	16.01%	14.79%	13.10%	12.20%	9.56%	11.20%	10.42%	10.65%	10.66%
Red Flag Computation 6	816,467	46,507	77,958	86,109	76,645	70,870	76,858	80,582	65,971	51,659	43,135	45,089	34,917	30,627	29,540
	3.86%	4.13%	5.83%	5.17%	4.21%	3.98%	3.85%	4.35%	3.73%	2.98%	2.51%	3.06%	2.94%	3.23%	3.96%
Red Flag Computation 7	11,322,571	652,303	753,018	876,449	975,328	928,654	1,009,606	949,665	942,439	931,859	904,144	789,634	649,761	555,011	404,700
	53.50%	57.92%	56.27%	52.61%	53.52%	52.10%	50.60%	51.26%	53.32%	53.68%	52.58%	53.53%	54.72%	58.56%	54.23%
Red Flag Computation 8	7,670,637	454,692	521,497	555,454	627,749	590,449	624,790	622,219	652,926	626,189	625,565	558,815	474,958	423,150	312,184
	36.25%	40.38%	38.97%	33.34%	34.45%	33.13%	31.31%	33.58%	36.94%	36.07%	36.38%	37.88%	40.00%	44.65%	41.83%
Red Flag Computation 9	1,342,680	26,032	45,934	118,109	99,788	77,783	149,866	111,559	119,582	118,227	138,311	135,386	91,285	56,828	53,990
	7.78%	2.95%	4.36%	8.67%	6.70%	5.35%	9.07%	7.28%	8.26%	8.25%	9.70%	11.20%	9.45%	7.60%	8.95%
Red Flag Computation 10	2,688,082	84,607	119,544	200,042	268,028	246,742	287,045	244,869	219,991	196,199	219,887	155,011	94,476	45,551	306,090
	15.57%	9.59%	11.35%	14.68%	17.99%	16.98%	17.36%	15.98%	15.20%	13.68%	15.42%	12.82%	9.78%	6.09%	50.75%
Red Flag Computation 11	2,470,696	84,607	119,544	200,042	268,028	246,742	287,045	244,869	219,991	196,199	219,887	155,011	94,476	45,551	88,704
	14.32%	9.59%	11.35%	14.68%	17.99%	16.98%	17.36%	15.98%	15.20%	13.68%	15.42%	12.82%	9.78%	6.09%	14.71%
Red Flag Computation 12	2,436,545	39,953	61,461	90,207	156,722	195,086	231,742	198,975	190,898	220,943	251,781	234,316	208,212	193,613	162,636
	14.12%	4.53%	5.84%	6.62%	10.52%	13.43%	14.02%	12.98%	13.19%	15.41%	17.66%	19.38%	21.55%	25.90%	26.96%
Red Flag Computation 13	866,522	18,054	26,789	36,250	55,703	64,542	74,991	63,770	74,649	84,804	95,931	80,714	64,160	65,359	60,806
	5.02%	2.05%	2.54%	2.66%	3.74%	4.44%	4.54%	4.16%	5.16%	5.91%	6.73%	6.67%	6.64%	8.74%	10.08%
Red Flag Computation 14	399,060	24,638	28,097	37,726	69,686	62,882	86,249	52,919	26,776	10,087	0	0	0	0	0
	2.31%	2.79%	2.67%	2.77%	4.68%	4.33%	5.22%	3.45%	1.85%	0.70%	0.00%	0.00%	0.00%	0.00%	0.00%
Red Flag Computation 15	8,656,126	453,168	568,064	798,219	864,445	823,832	960,053	818,366	711,265	667,995	642,648	518,961	378,555	265,049	185,506
	50.15%	51.34%	53.95%	58.59%	58.02%	56.70%	58.07%	53.41%	49.15%	46.59%	45.08%	42.91%	39.19%	35.45%	30.76%
Red Flag Computation 16	364,565	760	1,095	660	42,435	18,595	111,614	62,227	46,099	30,487	20,748	9,517	7,374	6,189	6,765
	2.11%	0.09%	0.10%	0.05%	2.85%	1.28%	6.75%	4.06%	3.19%	2.13%	1.46%	0.79%	0.76%	0.83%	1.12%
Red Flag Computation 17	3,828,142	184,935	252,401	353,480	388,598	391,719	395,864	388,387	298,912	276,122	264,730	225,353	176,397	136,077	95,167
	18.09%	16.42%	18.86%	21.22%	21.32%	21.98%	19.84%	20.96%	16.91%	15.91%	15.39%	15.28%	14.86%	14.36%	12.75%
Red Flag Computation 18	638,584	42,359	47,755	67,065	55,244	60,053	58,538	53,732	51,365	61,064	47,332	36,675	26,542	19,553	11,307
	3.70%	4.80%	4.54%	4.92%	3.71%	4.13%	3.54%	3.51%	3.55%	4.26%	3.32%	3.03%	2.75%	2.62%	1.87%

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Rite Aid Combination Red Flagged Prescriptions Summary
Lake County and Trumbull County, OH
Red Flag Computation 1-43, in Dosage Units

	Total	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Total Dosage Units of Combination Red Flagged Prescriptions	21,162,702	1,126,148	1,338,279	1,665,865	1,822,395	1,782,476	1,995,248	1,852,706	1,767,385	1,735,987	1,719,706	1,475,046	1,187,428	947,772	746,261
Total Dosage Units of Combination Red Flagged Opioid Prescriptions	17,259,010	882,649	1,053,014	1,362,374	1,489,870	1,452,937	1,653,131	1,532,376	1,447,133	1,433,726	1,425,637	1,209,342	966,032	747,636	603,153
Red Flag Computation 19	301,606	19,304	21,029	30,232	26,643	29,616	32,673	25,428	24,522	31,403	20,785	16,659	10,752	9,078	3,482
	1.75%	2.19%	2.00%	2.22%	1.79%	2.04%	1.98%	1.66%	1.69%	2.19%	1.46%	1.38%	1.11%	1.21%	0.58%
Red Flag Computation 20	852,817	56,211	63,575	82,890	79,944	94,821	95,886	81,077	67,709	70,505	54,016	44,049	26,677	22,099	13,358
	4.94%	6.37%	6.04%	6.08%	5.37%	6.53%	5.80%	5.29%	4.68%	4.92%	3.79%	3.64%	2.76%	2.96%	2.21%
Red Flag Computation 21	632,354	38,822	44,602	56,162	57,907	61,997	64,989	66,628	58,810	58,436	43,446	34,269	21,930	17,184	7,172
	3.66%	4.40%	4.24%	4.12%	3.89%	4.27%	3.93%	4.35%	4.06%	4.08%	3.05%	2.83%	2.27%	2.30%	1.19%
Red Flag Computation 22	26,314	1,269	1,216	2,701	4,439	3,079	869	2,439	2,535	2,536	2,360	1,448	100	998	325
	0.15%	0.14%	0.12%	0.20%	0.30%	0.21%	0.05%	0.16%	0.18%	0.18%	0.17%	0.12%	0.01%	0.13%	0.05%
Red Flag Computation 23	58,922	1,634	2,005	4,055	10,405	5,450	2,971	4,870	8,332	6,666	5,034	3,795	350	2,238	1,117
	0.34%	0.19%	0.19%	0.30%	0.70%	0.38%	0.18%	0.32%	0.58%	0.46%	0.35%	0.31%	0.04%	0.30%	0.19%
Red Flag Computation 24	1,875,919	90,664	81,927	115,777	145,159	130,473	144,406	178,678	193,844	209,936	242,665	147,131	79,621	67,632	48,006
	10.87%	10.27%	7.78%	8.50%	9.74%	8.98%	8.74%	11.66%	13.40%	14.64%	17.02%	12.17%	8.24%	9.05%	7.96%
Red Flag Computation 25	1,531,646	21,771	35,221	54,337	89,056	120,889	136,028	116,801	126,083	150,027	162,290	150,554	132,298	130,477	105,814
	8.87%	2.47%	3.34%	3.99%	5.98%	8.32%	8.23%	7.62%	8.71%	10.46%	11.38%	12.45%	13.69%	17.45%	17.54%
Red Flag Computation 26	762,761	14,512	23,849	33,201	47,984	57,262	63,372	56,995	67,371	72,146	85,634	71,151	56,222	58,820	54,242
	4.42%	1.64%	2.26%	2.44%	3.22%	3.94%	3.83%	3.72%	4.66%	5.03%	6.01%	5.88%	5.82%	7.87%	8.99%
Red Flag Computation 27	450	0	0	0	0	0	450	0	0	0	0	0	0	0	0
	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.03%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Red Flag Computation 28	73,052	3,552	279	1,270	6,705	9,510	11,143	8,263	4,636	7,870	5,870	3,652	4,098	4,464	1,740
	0.42%	0.40%	0.03%	0.09%	0.45%	0.65%	0.67%	0.54%	0.32%	0.55%	0.41%	0.30%	0.42%	0.60%	0.29%
Red Flag Computation 29	293,286	18,282	20,067	26,060	50,825	46,623	63,149	39,207	21,076	7,997	0	0	0	0	0
	1.70%	2.07%	1.91%	1.91%	3.41%	3.21%	3.82%	2.56%	1.46%	0.56%	0.00%	0.00%	0.00%	0.00%	0.00%
Red Flag Computation 30	1,404,001	101,628	132,206	177,729	179,170	172,920	212,563	157,327	92,619	63,564	49,079	23,830	18,944	13,336	9,086
	8.13%	11.51%	12.56%	13.05%	12.03%	11.90%	12.86%	10.27%	6.40%	4.43%	3.44%	1.97%	1.96%	1.78%	1.51%
Red Flag Computation 31	2,049,494	64,617	125,853	148,423	175,190	170,962	298,527	210,437	170,074	159,525	141,529	136,244	116,501	74,685	56,927
	11.87%	7.32%	11.95%	10.89%	11.76%	11.77%	18.06%	13.73%	11.75%	11.13%	9.93%	11.27%	12.06%	9.99%	9.44%
Red Flag Computation 32	58,135	0	0	0	14,188	4,012	13,912	7,810	5,936	3,139	6,600	960	1,398	0	180
	0.34%	0.00%	0.00%	0.00%	0.95%	0.28%	0.84%	0.51%	0.41%	0.22%	0.46%	0.08%	0.14%	0.00%	0.03%
Red Flag Computation 33	641,724	41,384	37,561	67,449	68,609	62,376	69,585	61,860	43,293	45,161	51,631	49,908	22,503	12,524	7,880
	3.72%	4.69%	3.57%	4.95%	4.61%	4.29%	4.21%	4.04%	2.99%	3.15%	3.62%	4.13%	2.33%	1.68%	1.31%
Red Flag Computation 34	313,422	0	0	0	6,724	13,035	28,113	31,084	32,639	35,777	51,033	46,025	34,755	19,271	14,966
	1.82%	0.00%	0.00%	0.00%	0.45%	0.90%	1.70%	2.03%	2.26%	2.50%	3.58%	3.81%	3.60%	2.58%	2.48%
Red Flag Computation 35	2,043,909	143,000	148,551	158,985	192,433	182,752	144,180	128,897	142,085	171,678	197,766	153,259	123,229	80,464	76,630
	11.84%	16.20%	14.11%	11.67%	12.92%	12.58%	8.72%	8.41%	9.82%	11.97%	13.87%	12.67%	12.76%	10.76%	12.70%
Red Flag Computation 36	2,406,289	96,905	143,395	263,278	273,983	268,330	264,861	257,059	190,381	165,505	158,615	125,077	97,081	61,817	40,002
	13.94%	10.98%	13.62%	19.32%	18.39%	18.47%	16.02%	16.78%	13.16%	11.54%	11.13%	10.34%	10.05%	8.27%	6.63%

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Rite Aid Combination Red Flagged Prescriptions Summary
Lake County and Trumbull County, OH
Red Flag Computation 1-43, in Dosage Units

	Total	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Total Dosage Units of Combination Red Flagged Prescriptions	21,162,702	1,126,148	1,338,279	1,665,865	1,822,395	1,782,476	1,995,248	1,852,706	1,767,385	1,735,987	1,719,706	1,475,046	1,187,428	947,772	746,261
Total Dosage Units of Combination Red Flagged Opioid Prescriptions	17,259,010	882,649	1,053,014	1,362,374	1,489,870	1,452,937	1,653,131	1,532,376	1,447,133	1,433,726	1,425,637	1,209,342	966,032	747,636	603,153
Red Flag Computation 37	44,474	120	180	480	720	8,310	11,980	11,466	600	540	120	1,560	2,880	2,878	2,640
	0.26%	0.01%	0.02%	0.04%	0.05%	0.57%	0.72%	0.75%	0.04%	0.04%	0.01%	0.13%	0.30%	0.38%	0.44%
Red Flag Computation 38	9,737,249	580,453	665,856	720,769	816,987	784,819	842,429	834,703	824,692	789,951	757,533	679,713	566,294	493,607	379,443
	46.01%	51.54%	49.75%	43.27%	44.83%	44.03%	42.22%	45.05%	46.66%	45.50%	44.05%	46.08%	47.69%	52.08%	50.85%
Red Flag Computation 39	777,140	43,761	73,388	83,740	74,620	67,027	72,452	77,213	62,801	48,947	39,176	41,859	33,432	29,574	29,150
	3.67%	3.89%	5.48%	5.03%	4.09%	3.76%	3.63%	4.17%	3.55%	2.82%	2.28%	2.84%	2.82%	3.12%	3.91%
Red Flag Computation 40	702,552	39,193	48,068	115,336	89,687	54,438	87,848	59,983	47,740	48,096	47,618	31,067	11,170	10,739	11,569
	4.07%	4.44%	4.56%	8.47%	6.02%	3.75%	5.31%	3.91%	3.30%	3.35%	3.34%	2.57%	1.16%	1.44%	1.92%
Red Flag Computation 41	4,652,484	272,611	341,948	364,324	414,802	361,383	404,375	405,709	351,904	339,278	327,438	313,366	280,883	254,217	220,246
	21.98%	24.21%	25.55%	21.87%	22.76%	20.27%	20.27%	21.90%	19.91%	19.54%	19.04%	21.24%	23.65%	26.82%	29.51%
Red Flag Computation 42	1,362,118	96,353	118,967	122,425	140,590	130,403	161,515	117,719	91,832	104,959	83,792	76,433	55,349	34,452	27,329
	6.44%	8.56%	8.89%	7.35%	7.71%	7.32%	8.09%	6.35%	5.20%	6.05%	4.87%	5.18%	4.66%	3.64%	3.66%
Red Flag Computation 43	15,366	0	0	0	4,320	500	6,496	1,865	1,371	30	784	0	0	0	0
	0.07%	0.00%	0.00%	0.00%	0.24%	0.03%	0.33%	0.10%	0.08%	0.00%	0.05%	0.00%	0.00%	0.00%	0.00%
Flagged for Any of the Red Flag Computation 1-43	21,162,702	1,126,148	1,338,279	1,665,865	1,822,395	1,782,476	1,995,248	1,852,706	1,767,385	1,735,987	1,719,706	1,475,046	1,187,428	947,772	746,261
	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%

Notes

Defendant	Date Range
CVS	January 1, 2006 to November 29, 2019
Giant Eagle/HBC	January 1, 2006 to December 3, 2019
Rite Aid	January 1, 2006 to November 19, 2019
Walgreens	January 3, 2006 to January 3, 2020
Wal-Mart	January 2, 2006 to April 25, 2018

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Rite Aid Combination Red Flagged Prescriptions Summary
Lake County and Trumbull County, OH
Red Flag Computation 1-43, in MME

	Total	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Total MME of Combination Red Flagged Prescriptions	402,306,189	21,710,169	25,038,998	34,659,918	39,001,260	36,871,302	41,791,817	37,074,356	33,279,896	30,742,119	31,959,290	26,941,476	19,343,432	13,575,088	10,317,066
Total MME of Combination Red Flagged Opioid Prescriptions	402,306,189	21,710,169	25,038,998	34,659,918	39,001,260	36,871,302	41,791,817	37,074,356	33,279,896	30,742,119	31,959,290	26,941,476	19,343,432	13,575,088	10,317,066
Red Flag Computation 1	35,073,967	1,561,062	1,623,667	2,341,445	4,173,429	4,294,290	5,138,723	3,542,350	3,022,720	2,742,013	2,609,405	1,844,078	1,057,911	725,486	397,390
	8.72%	7.19%	6.48%	6.76%	10.70%	11.65%	12.30%	9.55%	9.08%	8.92%	8.16%	6.84%	5.47%	5.34%	3.85%
Red Flag Computation 2	116,942,339	5,471,477	7,633,668	12,098,013	12,421,503	11,998,541	12,067,125	10,253,944	9,462,148	8,506,760	8,421,078	7,348,725	5,249,618	3,617,394	2,392,346
	29.07%	25.20%	30.49%	34.90%	31.85%	32.54%	28.87%	27.66%	28.43%	27.67%	26.35%	27.28%	27.14%	26.65%	23.19%
Red Flag Computation 3	46,500,475	3,072,921	3,594,530	4,770,052	4,732,643	4,386,837	5,169,601	4,623,841	3,837,638	3,187,573	3,073,007	2,801,137	1,525,499	972,184	753,012
	11.56%	14.15%	14.36%	13.76%	12.13%	11.90%	12.37%	12.47%	11.53%	10.37%	9.62%	10.40%	7.89%	7.16%	7.30%
Red Flag Computation 4	39,711,366	2,147,768	1,603,238	2,697,883	3,217,431	2,996,611	3,037,255	4,310,655	4,020,507	4,065,780	5,007,128	3,095,220	1,658,374	1,115,263	738,254
	9.87%	9.89%	6.40%	7.78%	8.25%	8.13%	7.27%	11.63%	12.08%	13.23%	15.67%	11.49%	8.57%	8.22%	7.16%
Red Flag Computation 5	39,173,654	2,132,928	2,672,885	3,064,772	4,427,975	4,484,039	5,189,678	4,149,346	3,221,984	2,798,756	2,170,363	1,963,578	1,307,571	895,075	694,708
	9.74%	9.82%	10.67%	8.84%	11.35%	12.16%	12.42%	11.19%	9.68%	9.10%	6.79%	7.29%	6.76%	6.59%	6.73%
Red Flag Computation 6	10,284,399	478,175	918,150	1,163,155	1,204,013	1,122,450	1,269,293	1,077,638	889,383	772,813	429,151	351,448	208,440	206,553	193,740
	2.56%	2.20%	3.67%	3.36%	3.09%	3.04%	3.04%	2.91%	2.67%	2.51%	1.34%	1.30%	1.08%	1.52%	1.88%
Red Flag Computation 7	178,854,932	9,890,131	12,037,448	15,928,507	18,004,592	16,394,102	17,409,202	15,826,278	14,574,264	13,685,246	13,512,998	11,349,603	8,646,649	6,753,417	4,842,493
	44.46%	45.56%	48.07%	45.96%	46.16%	44.46%	41.66%	42.69%	43.79%	44.52%	42.28%	42.13%	44.70%	49.75%	46.94%
Red Flag Computation 8	96,736,452	5,623,600	6,793,058	7,804,289	9,286,221	8,286,976	8,850,815	8,112,944	7,939,903	7,332,355	7,522,790	6,424,041	5,063,338	4,393,994	3,302,129
	24.05%	25.90%	27.13%	22.52%	23.81%	22.48%	21.18%	21.88%	23.86%	23.85%	23.54%	23.84%	26.18%	32.37%	32.01%
Red Flag Computation 9	31,664,430	575,178	1,301,728	3,616,154	2,738,778	1,973,140	3,049,899	2,652,128	2,921,999	2,708,200	3,140,516	2,839,048	1,762,718	1,159,027	1,225,919
	7.87%	2.65%	5.20%	10.43%	7.02%	5.35%	7.30%	7.15%	8.78%	8.81%	9.83%	10.54%	9.11%	8.54%	11.88%
Red Flag Computation 10	169,484,476	9,376,929	11,653,957	16,446,247	19,436,170	17,811,423	19,645,205	16,420,528	13,582,465	10,450,712	11,411,153	8,317,350	4,773,847	2,657,465	7,501,027
	42.13%	43.19%	46.54%	47.45%	49.83%	48.31%	47.01%	44.29%	40.81%	33.99%	35.71%	30.87%	24.68%	19.58%	72.71%
Red Flag Computation 11	165,863,833	9,376,929	11,653,957	16,446,247	19,436,170	17,811,423	19,645,205	16,420,528	13,582,465	10,450,712	11,411,153	8,317,350	4,773,847	2,657,465	3,880,384
	41.23%	43.19%	46.54%	47.45%	49.83%	48.31%	47.01%	44.29%	40.81%	33.99%	35.71%	30.87%	24.68%	19.58%	37.61%
Red Flag Computation 12	42,842,930	539,778	598,423	1,186,678	3,968,423	5,160,088	6,023,373	4,142,423	3,108,555	3,092,795	3,728,753	3,513,285	3,100,580	2,568,430	2,111,350
	10.65%	2.49%	2.39%	3.42%	10.18%	13.99%	14.41%	11.17%	9.34%	10.06%	11.67%	13.04%	16.03%	18.92%	20.46%
Red Flag Computation 13	14,684,941	241,450	238,903	469,140	1,406,960	1,792,930	1,877,928	1,220,558	1,233,445	1,125,865	1,292,635	1,153,068	956,681	878,333	797,048
	3.65%	1.11%	0.95%	1.35%	3.61%	4.86%	4.49%	3.29%	3.71%	3.66%	4.04%	4.28%	4.95%	6.47%	7.73%
Red Flag Computation 14	3,105,851	190,610	207,668	291,595	522,693	491,623	690,411	428,783	197,733	84,738	0	0	0	0	0
	0.77%	0.88%	0.83%	0.84%	1.34%	1.33%	1.65%	1.16%	0.59%	0.28%	0.00%	0.00%	0.00%	0.00%	0.00%
Red Flag Computation 15	270,004,845	15,532,700	17,949,479	26,661,430	29,323,011	27,080,227	30,279,914	26,101,232	21,455,240	18,725,888	19,556,445	15,712,473	10,414,854	6,646,343	4,565,610
	67.11%	71.55%	71.69%	76.92%	75.18%	73.45%	72.45%	70.40%	64.47%	60.91%	61.19%	58.32%	53.84%	48.96%	44.25%
Red Flag Computation 16	7,297,927	7,100	10,555	5,490	1,037,963	430,655	2,389,753	1,167,882	876,171	551,253	328,350	163,605	149,782	101,195	78,175
	1.81%	0.03%	0.04%	0.02%	2.66%	1.17%	5.72%	3.15%	2.63%	1.79%	1.03%	0.61%	0.77%	0.75%	0.76%
Red Flag Computation 17	85,052,820	4,094,335	5,782,797	8,006,448	8,900,901	9,289,297	9,307,859	7,635,295	6,620,615	6,157,667	6,014,372	5,040,427	3,759,710	2,706,254	1,736,845
	21.14%	18.86%	23.10%	23.10%	22.82%	25.19%	22.27%	20.59%	19.89%	20.03%	18.82%	18.71%	19.44%	19.94%	16.83%
Red Flag Computation 18	11,215,611	889,808	961,872	1,269,790	972,455	1,120,183	1,035,280	904,301	830,213	955,614	817,257	625,863	417,147	271,816	144,014
	2.79%	4.10%	3.84%	3.66%	2.49%	3.04%	2.48%	2.44%	2.49%	3.11%	2.56%	2.32%	2.16%	2.00%	1.40%

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Rite Aid Combination Red Flagged Prescriptions Summary
Lake County and Trumbull County, OH
Red Flag Computation 1-43, in MME

	Total	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Total MME of Combination Red Flagged Prescriptions	402,306,189	21,710,169	25,038,998	34,659,918	39,001,260	36,871,302	41,791,817	37,074,356	33,279,896	30,742,119	31,959,290	26,941,476	19,343,432	13,575,088	10,317,066
Total MME of Combination Red Flagged Opioid Prescriptions	402,306,189	21,710,169	25,038,998	34,659,918	39,001,260	36,871,302	41,791,817	37,074,356	33,279,896	30,742,119	31,959,290	26,941,476	19,343,432	13,575,088	10,317,066
Red Flag Computation 19	5,084,749	313,579	330,382	461,720	456,274	566,743	615,138	388,383	417,440	522,368	398,106	307,676	127,630	140,951	38,360
	1.26%	1.44%	1.32%	1.33%	1.17%	1.54%	1.47%	1.05%	1.25%	1.70%	1.25%	1.14%	0.66%	1.04%	0.37%
Red Flag Computation 20	15,085,720	1,120,159	1,081,241	1,473,179	1,519,686	1,806,031	1,838,481	1,365,968	1,206,121	1,133,265	890,545	769,900	367,888	324,531	188,727
	3.75%	5.16%	4.32%	4.25%	3.90%	4.90%	4.40%	3.68%	3.62%	3.69%	2.79%	2.86%	1.90%	2.39%	1.83%
Red Flag Computation 21	10,873,328	810,438	705,108	977,822	978,872	952,603	1,227,172	1,076,203	1,118,937	968,258	682,944	665,808	363,457	252,878	92,831
	2.70%	3.73%	2.82%	2.82%	2.51%	2.58%	2.94%	2.90%	3.36%	3.15%	2.14%	2.47%	1.88%	1.86%	0.90%
Red Flag Computation 22	674,032	39,649	15,539	45,825	132,885	49,410	33,526	56,843	83,905	75,589	78,970	32,090	850	14,628	14,325
	0.17%	0.18%	0.06%	0.13%	0.34%	0.13%	0.08%	0.15%	0.25%	0.25%	0.25%	0.12%	0.00%	0.11%	0.14%
Red Flag Computation 23	1,793,450	34,294	38,798	103,680	342,855	103,110	121,364	113,759	276,960	242,591	214,290	114,823	7,650	32,913	46,365
	0.45%	0.16%	0.15%	0.30%	0.88%	0.28%	0.29%	0.31%	0.83%	0.79%	0.67%	0.43%	0.04%	0.24%	0.45%
Red Flag Computation 24	48,115,773	2,793,093	2,020,266	2,928,493	3,619,066	3,350,994	3,709,554	4,920,730	5,223,499	5,367,615	6,217,165	3,872,454	1,851,609	1,296,192	945,045
	11.96%	12.87%	8.07%	8.45%	9.28%	9.09%	8.88%	13.27%	15.70%	17.46%	19.45%	14.37%	9.57%	9.55%	9.16%
Red Flag Computation 25	26,380,430	284,140	332,145	722,293	2,418,033	3,244,240	3,672,558	2,453,688	2,011,290	1,976,098	2,223,978	2,129,135	1,857,435	1,677,010	1,378,390
	6.56%	1.31%	1.33%	2.08%	6.20%	8.80%	8.79%	6.62%	6.04%	6.43%	6.96%	7.90%	9.60%	12.35%	13.36%
Red Flag Computation 26	12,735,926	189,333	224,608	439,738	1,181,670	1,556,028	1,544,750	1,060,645	1,127,215	958,795	1,139,403	1,000,318	825,326	785,163	702,938
	3.17%	0.87%	0.90%	1.27%	3.03%	4.22%	3.70%	2.86%	3.39%	3.12%	3.57%	3.71%	4.27%	5.78%	6.81%
Red Flag Computation 27	10,125	0	0	0	0	0	10,125	0	0	0	0	0	0	0	0
	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.02%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Red Flag Computation 28	2,357,540	130,140	5,580	104,175	306,450	313,200	387,548	208,393	98,320	158,400	114,050	140,415	150,930	161,640	78,300
	0.59%	0.60%	0.02%	0.30%	0.79%	0.85%	0.93%	0.56%	0.30%	0.52%	0.36%	0.52%	0.78%	1.19%	0.76%
Red Flag Computation 29	2,276,560	138,960	146,130	202,435	379,698	362,155	503,928	318,925	156,705	67,625	0	0	0	0	0
	0.57%	0.64%	0.58%	0.58%	0.97%	0.98%	1.21%	0.86%	0.47%	0.22%	0.00%	0.00%	0.00%	0.00%	0.00%
Red Flag Computation 30	30,169,232	2,428,916	3,067,193	3,975,381	3,752,493	3,684,032	4,323,968	3,234,999	1,742,227	1,364,571	1,218,982	514,618	371,252	334,263	156,339
	7.50%	11.19%	12.25%	11.47%	9.62%	9.99%	10.35%	8.73%	5.24%	4.44%	3.81%	1.91%	1.92%	2.46%	1.52%
Red Flag Computation 31	49,992,034	1,462,745	2,936,180	3,478,689	4,188,760	4,553,123	8,130,569	6,240,438	4,388,573	3,614,675	3,436,109	2,979,545	2,342,393	1,352,603	887,634
	12.43%	6.74%	11.73%	10.04%	10.74%	12.35%	19.45%	16.83%	13.19%	11.76%	10.75%	11.06%	12.11%	9.96%	8.60%
Red Flag Computation 32	1,500,324	0	0	240	418,100	107,795	301,978	219,193	186,883	70,650	133,275	28,800	30,710	0	2,700
	0.37%	0.00%	0.00%	0.00%	1.07%	0.29%	0.72%	0.59%	0.56%	0.23%	0.42%	0.11%	0.16%	0.00%	0.03%
Red Flag Computation 33	30,446,472	1,856,280	1,714,412	3,369,397	3,418,140	3,044,889	3,709,222	3,120,358	2,151,454	1,904,515	2,392,974	2,238,190	880,691	358,414	287,538
	7.57%	8.55%	6.85%	9.72%	8.76%	8.26%	8.88%	8.42%	6.46%	6.20%	7.49%	8.31%	4.55%	2.64%	2.79%
Red Flag Computation 34	9,250,634	0	0	0	311,138	526,890	1,339,216	1,691,174	1,265,320	935,620	927,543	925,751	723,942	356,623	247,419
	2.30%	0.00%	0.00%	0.00%	0.80%	1.43%	3.20%	4.56%	3.80%	3.04%	2.90%	3.44%	3.74%	2.63%	2.40%
Red Flag Computation 35	62,474,711	4,432,691	4,303,949	5,273,029	6,384,188	5,674,666	4,536,156	3,664,205	3,980,255	5,478,429	6,747,384	5,339,468	3,527,515	1,756,583	1,376,194
	15.53%	20.42%	17.19%	15.21%	16.37%	15.39%	10.85%	9.88%	11.96%	17.82%	21.11%	19.82%	18.24%	12.94%	13.34%
Red Flag Computation 36	58,902,947	2,298,866	3,122,289	6,555,074	7,280,182	7,164,031	6,522,753	5,489,732	4,678,383	4,024,527	3,909,205	3,287,954	2,438,539	1,391,015	740,400
	14.64%	10.59%	12.47%	18.91%	18.67%	19.43%	15.61%	14.81%	14.06%	13.09%	12.23%	12.20%	12.61%	10.25%	7.18%

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Rite Aid Combination Red Flagged Prescriptions Summary
Lake County and Trumbull County, OH
Red Flag Computation 1-43, in MME

	Total	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Total MME of Combination Red Flagged Prescriptions	402,306,189	21,710,169	25,038,998	34,659,918	39,001,260	36,871,302	41,791,817	37,074,356	33,279,896	30,742,119	31,959,290	26,941,476	19,343,432	13,575,088	10,317,066
Total MME of Combination Red Flagged Opioid Prescriptions	402,306,189	21,710,169	25,038,998	34,659,918	39,001,260	36,871,302	41,791,817	37,074,356	33,279,896	30,742,119	31,959,290	26,941,476	19,343,432	13,575,088	10,317,066
Red Flag Computation 37	964,785	600	1,800	3,780	10,800	237,840	358,800	270,180	3,000	2,700	600	11,700	21,600	21,585	19,800
	0.24%	0.00%	0.01%	0.01%	0.03%	0.65%	0.86%	0.73%	0.01%	0.01%	0.00%	0.04%	0.11%	0.16%	0.19%
Red Flag Computation 38	128,133,177	7,367,193	8,537,298	9,927,108	12,144,248	11,188,895	12,726,995	11,905,043	10,790,987	9,667,739	9,636,193	8,340,353	6,313,529	5,363,389	4,224,208
	31.85%	33.93%	34.10%	28.64%	31.14%	30.35%	30.45%	32.11%	32.42%	31.45%	30.15%	30.96%	32.64%	39.51%	40.94%
Red Flag Computation 39	9,686,072	446,705	837,075	1,129,165	1,178,213	1,060,320	1,218,613	1,014,000	830,883	732,638	345,211	318,223	192,990	190,998	191,040
	2.41%	2.06%	3.34%	3.26%	3.02%	2.88%	2.92%	2.74%	2.50%	2.38%	1.08%	1.18%	1.00%	1.41%	1.85%
Red Flag Computation 40	35,994,989	2,150,088	2,478,891	5,881,792	4,758,294	3,036,443	4,873,388	3,257,332	2,488,878	2,024,600	2,282,747	1,412,189	419,115	441,334	489,901
	8.95%	9.90%	9.90%	16.97%	12.20%	8.24%	11.66%	8.79%	7.48%	6.59%	7.14%	5.24%	2.17%	3.25%	4.75%
Red Flag Computation 41	71,291,518	4,087,655	4,908,597	6,109,299	7,454,108	6,295,079	7,358,553	6,633,021	5,168,618	4,845,800	4,964,649	4,452,366	3,514,900	2,918,143	2,580,729
	17.72%	18.83%	19.60%	17.63%	19.11%	17.07%	17.61%	17.89%	15.53%	15.76%	15.53%	16.53%	18.17%	21.50%	25.01%
Red Flag Computation 42	25,060,301	1,396,109	2,040,258	2,212,532	2,976,752	2,507,811	3,130,067	2,734,316	1,673,427	1,991,270	1,434,599	1,264,532	925,109	420,950	352,570
	6.23%	6.43%	8.15%	6.38%	7.63%	6.80%	7.49%	7.38%	5.03%	6.48%	4.49%	4.69%	4.78%	3.10%	3.42%
Red Flag Computation 43	276,585	0	0	0	102,200	1,600	102,858	36,890	22,620	338	10,080	0	0	0	0
	0.07%	0.00%	0.00%	0.00%	0.26%	0.00%	0.25%	0.10%	0.07%	0.00%	0.03%	0.00%	0.00%	0.00%	0.00%
Flagged for Any of the Red Flag Computation 1-43	402,306,189	21,710,169	25,038,998	34,659,918	39,001,260	36,871,302	41,791,817	37,074,356	33,279,896	30,742,119	31,959,290	26,941,476	19,343,432	13,575,088	10,317,066
	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%

Notes

Defendant	Date Range
CVS	January 1, 2006 to November 29, 2019
Giant Eagle/HBC	January 1, 2006 to December 3, 2019
Rite Aid	January 1, 2006 to November 19, 2019
Walgreens	January 3, 2006 to January 3, 2020
Wal-Mart	January 2, 2006 to April 25, 2018

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Rite Aid Combination Red Flagged Prescriptions Summary
Lake County, OH
Red Flag Computation 1-43, in # of Prescriptions

	Total	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Total # of Combination Red Flagged Prescriptions	71,014	3,968	4,697	5,843	6,459	6,719	7,655	6,584	6,238	5,995	5,598	4,164	3,167	2,255	1,672
Total # of Combination Red Flagged Opioid Prescriptions	59,259	3,254	3,860	4,890	5,417	5,589	6,227	5,424	5,208	5,021	4,701	3,570	2,755	1,911	1,432
Red Flag Computation 1	8,360	345	300	579	932	1,018	1,093	792	667	727	665	488	358	265	131
	14.11%	10.60%	7.77%	11.84%	17.21%	18.21%	17.55%	14.60%	12.81%	14.48%	14.15%	13.67%	12.99%	13.87%	9.15%
Red Flag Computation 2	22,558	1,220	1,429	1,906	2,190	2,174	2,207	1,915	1,853	1,749	1,774	1,511	1,274	806	550
	38.07%	37.49%	37.02%	38.98%	40.43%	38.90%	35.44%	35.31%	35.58%	34.83%	37.74%	42.32%	46.24%	42.18%	38.41%
Red Flag Computation 3	9,957	682	856	839	873	1,130	1,056	876	900	765	792	554	308	180	146
	16.80%	20.96%	22.18%	17.16%	16.12%	20.22%	16.96%	16.15%	17.28%	15.24%	16.85%	15.52%	11.18%	9.42%	10.20%
Red Flag Computation 4	3,467	144	154	249	269	284	345	315	293	346	359	325	199	109	76
	5.85%	4.43%	3.99%	5.09%	4.97%	5.08%	5.54%	5.81%	5.63%	6.89%	7.64%	9.10%	7.22%	5.70%	5.31%
Red Flag Computation 5	10,093	651	812	799	957	1,222	1,264	942	732	807	663	465	388	239	152
	14.21%	16.41%	17.29%	13.67%	14.82%	18.19%	16.51%	14.31%	11.73%	13.46%	11.84%	11.17%	12.25%	10.60%	9.09%
Red Flag Computation 6	2,034	114	169	209	200	234	304	248	176	135	96	43	44	35	27
	2.86%	2.87%	3.60%	3.58%	3.10%	3.48%	3.97%	3.77%	2.82%	2.25%	1.71%	1.03%	1.39%	1.55%	1.61%
Red Flag Computation 7	32,440	1,764	2,108	2,613	2,967	3,107	3,715	3,131	2,816	2,794	2,500	1,777	1,321	1,099	728
	45.68%	44.46%	44.88%	44.72%	45.94%	46.24%	48.53%	47.55%	45.14%	46.61%	44.66%	42.68%	41.71%	48.74%	43.54%
Red Flag Computation 8	16,023	890	1,013	1,223	1,409	1,499	1,946	1,654	1,533	1,387	1,256	840	546	473	354
	22.56%	22.43%	21.57%	20.93%	21.81%	22.31%	25.42%	25.12%	24.58%	23.14%	22.44%	20.17%	17.24%	20.98%	21.17%
Red Flag Computation 9	4,368	116	132	534	410	367	468	456	468	410	360	286	192	93	76
	7.37%	3.56%	3.42%	10.92%	7.57%	6.57%	7.52%	8.41%	8.99%	8.17%	7.66%	8.01%	6.97%	4.87%	5.31%
Red Flag Computation 10	5,893	283	367	504	555	562	692	593	446	381	404	273	146	78	609
	9.94%	8.70%	9.51%	10.31%	10.25%	10.06%	11.11%	10.93%	8.56%	7.59%	8.59%	7.65%	5.30%	4.08%	42.53%
Red Flag Computation 11	5,484	283	367	504	555	562	692	593	446	381	404	273	146	78	200
	9.25%	8.70%	9.51%	10.31%	10.25%	10.06%	11.11%	10.93%	8.56%	7.59%	8.59%	7.65%	5.30%	4.08%	13.97%
Red Flag Computation 12	1,749	38	106	106	169	210	239	137	124	165	115	102	94	106	38
	2.95%	1.17%	2.75%	2.17%	3.12%	3.76%	3.84%	2.53%	2.38%	3.29%	2.45%	2.86%	3.41%	5.55%	2.65%
Red Flag Computation 13	709	46	49	48	58	55	74	62	63	29	41	46	71	57	10
	1.20%	1.41%	1.27%	0.98%	1.07%	0.98%	1.19%	1.14%	1.21%	0.58%	0.87%	1.29%	2.58%	2.98%	0.70%
Red Flag Computation 14	1,247	51	56	99	192	211	251	199	139	49	0	0	0	0	0
	2.10%	1.57%	1.45%	2.02%	3.54%	3.78%	4.03%	3.67%	2.67%	0.98%	0.00%	0.00%	0.00%	0.00%	0.00%
Red Flag Computation 15	34,386	1,800	2,274	3,183	3,553	3,811	3,790	3,261	2,917	2,612	2,453	1,814	1,391	934	593
	58.03%	55.32%	58.91%	65.09%	65.59%	68.19%	60.86%	60.12%	56.01%	52.02%	52.18%	50.81%	50.49%	48.87%	41.41%
Red Flag Computation 16	2,109	2	3	3	216	82	685	469	287	131	89	56	39	26	21
	3.56%	0.06%	0.08%	0.06%	3.99%	1.47%	11.00%	8.65%	5.51%	2.61%	1.89%	1.57%	1.42%	1.36%	1.47%
Red Flag Computation 17	17,228	955	1,127	1,239	1,633	1,764	1,829	1,613	1,422	1,316	1,286	1,105	932	607	400
	24.26%	24.07%	23.99%	21.20%	25.28%	26.25%	23.89%	24.50%	22.80%	21.95%	22.97%	26.54%	29.43%	26.92%	23.92%
Red Flag Computation 18	3,957	323	335	364	335	403	409	294	320	329	339	205	143	92	66
	6.68%	9.93%	8.68%	7.44%	6.18%	7.21%	6.57%	5.42%	6.14%	6.55%	7.21%	5.74%	5.19%	4.81%	4.61%

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Rite Aid Combination Red Flagged Prescriptions Summary
Lake County, OH
Red Flag Computation 1-43, in # of Prescriptions

	Total	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Total # of Combination Red Flagged Prescriptions	71,014	3,968	4,697	5,843	6,459	6,719	7,655	6,584	6,238	5,995	5,598	4,164	3,167	2,255	1,672
Total # of Combination Red Flagged Opioid Prescriptions	59,259	3,254	3,860	4,890	5,417	5,589	6,227	5,424	5,208	5,021	4,701	3,570	2,755	1,911	1,432
Red Flag Computation 19	2,046	168	139	169	178	195	239	173	155	198	203	105	47	49	28
	3.45%	5.16%	3.60%	3.46%	3.29%	3.49%	3.84%	3.19%	2.98%	3.94%	4.32%	2.94%	1.71%	2.56%	1.96%
Red Flag Computation 20	5,700	405	475	473	505	570	596	524	492	546	504	277	153	108	72
	9.62%	12.45%	12.31%	9.67%	9.32%	10.20%	9.57%	9.66%	9.45%	10.87%	10.72%	7.76%	5.55%	5.65%	5.03%
Red Flag Computation 21	4,195	274	348	301	367	412	508	393	331	393	400	225	124	81	38
	7.08%	8.42%	9.02%	6.16%	6.77%	7.37%	8.16%	7.25%	6.36%	7.83%	8.51%	6.30%	4.50%	4.24%	2.65%
Red Flag Computation 22	197	10	12	15	29	18	7	8	20	28	26	22	1	1	0
	0.33%	0.31%	0.31%	0.31%	0.54%	0.32%	0.11%	0.15%	0.38%	0.56%	0.55%	0.62%	0.04%	0.05%	0.00%
Red Flag Computation 23	392	14	14	27	62	32	24	19	34	54	47	52	8	4	1
	0.66%	0.43%	0.36%	0.55%	1.14%	0.57%	0.39%	0.35%	0.65%	1.08%	1.00%	1.46%	0.29%	0.21%	0.07%
Red Flag Computation 24	5,218	262	282	322	414	405	494	473	465	529	577	439	264	162	130
	8.81%	8.05%	7.31%	6.58%	7.64%	7.25%	7.93%	8.72%	8.93%	10.54%	12.27%	12.30%	9.58%	8.48%	9.08%
Red Flag Computation 25	1,075	23	70	78	94	130	122	96	78	104	63	64	51	76	26
	1.81%	0.71%	1.81%	1.60%	1.74%	2.33%	1.96%	1.77%	1.50%	2.07%	1.34%	1.79%	1.85%	3.98%	1.82%
Red Flag Computation 26	666	45	48	48	54	50	61	62	61	29	39	40	64	55	10
	1.12%	1.38%	1.24%	0.98%	1.00%	0.89%	0.98%	1.14%	1.17%	0.58%	0.83%	1.12%	2.32%	2.88%	0.70%
Red Flag Computation 27	3	0	0	0	0	0	3	0	0	0	0	0	0	0	0
	0.01%	0.00%	0.00%	0.00%	0.00%	0.00%	0.05%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Red Flag Computation 28	477	24	4	12	64	65	100	71	29	47	29	6	12	14	0
	0.80%	0.74%	0.10%	0.25%	1.18%	1.16%	1.61%	1.31%	0.56%	0.94%	0.62%	0.17%	0.44%	0.73%	0.00%
Red Flag Computation 29	924	40	40	67	144	161	193	139	101	39	0	0	0	0	0
	1.56%	1.23%	1.04%	1.37%	2.66%	2.88%	3.10%	2.56%	1.94%	0.78%	0.00%	0.00%	0.00%	0.00%	0.00%
Red Flag Computation 30	5,933	424	539	697	693	701	839	661	450	321	290	127	87	58	46
	10.01%	13.03%	13.96%	14.25%	12.79%	12.54%	13.47%	12.19%	8.64%	6.39%	6.17%	3.56%	3.16%	3.04%	3.21%
Red Flag Computation 31	6,807	246	398	439	531	662	1,000	847	704	565	445	365	261	206	138
	11.49%	7.56%	10.31%	8.98%	9.80%	11.84%	16.06%	15.62%	13.52%	11.25%	9.47%	10.22%	9.47%	10.78%	9.64%
Red Flag Computation 32	340	0	0	1	27	21	121	77	42	25	22	0	4	0	0
	0.57%	0.00%	0.00%	0.02%	0.50%	0.38%	1.94%	1.42%	0.81%	0.50%	0.47%	0.00%	0.15%	0.00%	0.00%
Red Flag Computation 33	2,426	121	86	391	285	251	291	227	167	143	182	137	75	26	44
	4.09%	3.72%	2.23%	8.00%	5.26%	4.49%	4.67%	4.19%	3.21%	2.85%	3.87%	3.84%	2.72%	1.36%	3.07%
Red Flag Computation 34	1,509	0	0	0	25	52	126	169	155	188	221	203	159	124	87
	2.55%	0.00%	0.00%	0.00%	0.46%	0.93%	2.02%	3.12%	2.98%	3.74%	4.70%	5.69%	5.77%	6.49%	6.08%
Red Flag Computation 35	7,632	486	531	461	637	796	548	533	713	747	715	464	422	315	264
	12.88%	14.94%	13.76%	9.43%	11.76%	14.24%	8.80%	9.83%	13.69%	14.88%	15.21%	13.00%	15.32%	16.48%	18.44%
Red Flag Computation 36	10,682	394	518	707	1,089	1,110	1,014	917	1,042	951	958	815	658	320	189
	18.03%	12.11%	13.42%	14.46%	20.10%	19.86%	16.28%	16.91%	20.01%	18.94%	20.38%	22.83%	23.88%	16.75%	13.20%

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Rite Aid Combination Red Flagged Prescriptions Summary
Lake County, OH
Red Flag Computation 1-43, in # of Prescriptions

	Total	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Total # of Combination Red Flagged Prescriptions	71,014	3,968	4,697	5,843	6,459	6,719	7,655	6,584	6,238	5,995	5,598	4,164	3,167	2,255	1,672
Total # of Combination Red Flagged Opioid Prescriptions	59,259	3,254	3,860	4,890	5,417	5,589	6,227	5,424	5,208	5,021	4,701	3,570	2,755	1,911	1,432
Red Flag Computation 37	140	2	3	8	12	30	34	32	10	8	1	0	0	0	0
	0.24%	0.06%	0.08%	0.16%	0.22%	0.54%	0.55%	0.59%	0.19%	0.16%	0.02%	0.00%	0.00%	0.00%	0.00%
Red Flag Computation 38	23,249	1,438	1,595	1,806	2,103	2,284	2,815	2,364	2,128	2,014	1,683	1,152	754	594	519
	32.74%	36.24%	33.96%	30.91%	32.56%	33.99%	36.77%	35.91%	34.11%	33.59%	30.06%	27.67%	23.81%	26.34%	31.04%
Red Flag Computation 39	1,909	109	152	204	191	211	280	237	175	125	93	36	39	33	24
	2.69%	2.75%	3.24%	3.49%	2.96%	3.14%	3.66%	3.60%	2.81%	2.09%	1.66%	0.86%	1.23%	1.46%	1.44%
Red Flag Computation 40	3,732	212	215	768	555	431	425	300	272	176	137	86	62	48	45
	6.30%	6.52%	5.57%	15.71%	10.25%	7.71%	6.83%	5.53%	5.22%	3.51%	2.91%	2.41%	2.25%	2.51%	3.14%
Red Flag Computation 41	10,865	581	665	957	1,044	1,125	1,354	1,203	933	859	806	513	313	249	263
	15.30%	14.64%	14.16%	16.38%	16.16%	16.74%	17.69%	18.27%	14.96%	14.33%	14.40%	12.32%	9.88%	11.04%	15.73%
Red Flag Computation 42	5,409	397	503	433	540	706	825	521	291	387	350	186	118	96	56
	7.62%	10.01%	10.71%	7.41%	8.36%	10.51%	10.78%	7.91%	4.66%	6.46%	6.25%	4.47%	3.73%	4.26%	3.35%
Red Flag Computation 43	77	0	0	0	6	1	38	13	15	0	4	0	0	0	0
	0.11%	0.00%	0.00%	0.00%	0.09%	0.01%	0.50%	0.20%	0.24%	0.00%	0.07%	0.00%	0.00%	0.00%	0.00%
Flagged for Any of the Red Flag Computation 1-43	71,014	3,968	4,697	5,843	6,459	6,719	7,655	6,584	6,238	5,995	5,598	4,164	3,167	2,255	1,672
	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%

Notes

Defendant	Date Range
CVS	January 1, 2006 to November 29, 2019
Giant Eagle/HBC	January 1, 2006 to December 3, 2019
Rite Aid	January 1, 2006 to November 19, 2019
Walgreens	January 3, 2006 to January 3, 2020
Wal-Mart	January 2, 2006 to April 25, 2018

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Rite Aid Combination Red Flagged Prescriptions Summary
Lake County, OH
Red Flag Computation 1-43, in Dosage Units

	Total	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Total Dosage Units of Combination Red Flagged Prescriptions	5,712,931	280,175	369,389	474,481	524,956	537,144	640,722	547,536	509,077	476,855	445,627	340,103	260,090	171,640	135,136
Total Dosage Units of Combination Red Flagged Opioid Prescriptions	4,991,469	233,378	319,332	418,318	459,741	461,077	549,727	474,839	447,730	418,977	394,117	305,189	237,210	151,488	120,346
Red Flag Computation 1	751,680	24,097	24,961	45,403	80,554	90,366	110,384	78,678	61,543	63,123	61,005	45,148	33,067	21,877	11,474
	15.06%	10.33%	7.82%	10.85%	17.52%	19.60%	20.08%	16.57%	13.75%	15.07%	15.48%	14.79%	13.94%	14.44%	9.53%
Red Flag Computation 2	1,983,047	89,132	119,230	153,518	189,175	190,016	203,576	168,630	168,802	162,925	167,084	144,671	112,801	64,759	48,728
	39.73%	38.19%	37.34%	36.70%	41.15%	41.21%	37.03%	35.51%	37.70%	38.89%	42.39%	47.40%	47.55%	42.75%	40.49%
Red Flag Computation 3	650,081	41,051	58,632	61,654	53,444	72,103	69,804	56,364	57,750	48,028	48,885	41,558	20,100	9,865	10,843
	13.02%	17.59%	18.36%	14.74%	11.62%	15.64%	12.70%	11.87%	12.90%	11.46%	12.40%	13.62%	8.47%	6.51%	9.01%
Red Flag Computation 4	289,016	9,023	12,694	22,150	22,326	20,369	29,742	24,780	22,234	29,096	31,476	28,564	19,096	10,023	7,443
	5.79%	3.87%	3.98%	5.30%	4.86%	4.42%	5.41%	5.22%	4.97%	6.94%	7.99%	9.36%	8.05%	6.62%	6.18%
Red Flag Computation 5	819,846	57,867	64,272	66,029	79,102	96,564	101,822	76,943	60,746	67,437	51,894	37,804	27,706	18,651	13,009
	14.35%	20.65%	17.40%	13.92%	15.07%	17.98%	15.89%	14.05%	11.93%	14.14%	11.65%	11.12%	10.65%	10.87%	9.63%
Red Flag Computation 6	165,786	10,959	13,466	15,021	14,759	19,283	24,494	21,025	14,766	11,660	7,565	4,232	3,260	3,075	2,221
	2.90%	3.91%	3.65%	3.17%	2.81%	3.59%	3.82%	3.84%	2.90%	2.45%	1.70%	1.24%	1.25%	1.79%	1.64%
Red Flag Computation 7	2,407,006	125,721	162,150	198,672	227,008	223,025	282,980	243,144	214,673	201,652	174,979	126,282	94,145	76,065	56,510
	42.13%	44.87%	43.90%	41.87%	43.24%	41.52%	44.17%	44.41%	42.17%	42.29%	39.27%	37.13%	36.20%	44.32%	41.82%
Red Flag Computation 8	1,169,768	62,006	73,140	81,104	102,575	108,629	150,085	135,404	118,955	97,557	86,702	58,209	34,427	33,658	27,317
	20.48%	22.13%	19.80%	17.09%	19.54%	20.22%	23.42%	24.73%	23.37%	20.46%	19.46%	17.12%	13.24%	19.61%	20.21%
Red Flag Computation 9	491,476	7,604	17,765	68,986	52,591	40,943	56,905	54,494	52,298	41,527	33,129	28,495	22,877	6,610	7,252
	9.85%	3.26%	5.56%	16.49%	11.44%	8.88%	10.35%	11.48%	11.68%	9.91%	8.41%	9.34%	9.64%	4.36%	6.03%
Red Flag Computation 10	786,080	25,365	45,634	58,312	72,085	67,389	91,879	83,541	68,460	67,086	66,236	43,896	25,408	8,858	61,931
	15.75%	10.87%	14.29%	13.94%	15.68%	14.62%	16.71%	17.59%	15.29%	16.01%	16.81%	14.38%	10.71%	5.85%	51.46%
Red Flag Computation 11	746,763	25,365	45,634	58,312	72,085	67,389	91,879	83,541	68,460	67,086	66,236	43,896	25,408	8,858	22,614
	14.96%	10.87%	14.29%	13.94%	15.68%	14.62%	16.71%	17.59%	15.29%	16.01%	16.81%	14.38%	10.71%	5.85%	18.79%
Red Flag Computation 12	226,600	4,477	17,469	18,652	23,688	27,396	30,968	20,299	17,830	20,317	11,877	9,308	9,236	11,397	3,686
	4.54%	1.92%	5.47%	4.46%	5.15%	5.94%	5.63%	4.27%	3.98%	4.85%	3.01%	3.05%	3.89%	7.52%	3.06%
Red Flag Computation 13	88,888	3,707	7,418	7,624	8,733	7,606	10,629	8,083	7,316	4,197	4,752	4,577	7,399	5,950	897
	1.78%	1.59%	2.32%	1.82%	1.90%	1.65%	1.93%	1.70%	1.63%	1.00%	1.21%	1.50%	3.12%	3.93%	0.75%
Red Flag Computation 14	120,473	5,115	6,184	11,181	17,808	17,441	26,090	19,816	13,336	3,502	0	0	0	0	0
	2.41%	2.19%	1.94%	2.67%	3.87%	3.78%	4.75%	4.17%	2.98%	0.84%	0.00%	0.00%	0.00%	0.00%	0.00%
Red Flag Computation 15	3,048,813	149,391	209,116	291,755	317,038	318,822	352,209	300,884	261,536	237,793	214,248	154,586	120,294	72,484	48,657
	61.08%	64.01%	65.49%	69.74%	68.96%	69.15%	64.07%	63.37%	58.41%	56.76%	54.36%	50.65%	50.71%	47.85%	40.43%
Red Flag Computation 16	163,791	220	288	240	16,625	4,920	61,397	33,521	20,615	8,134	8,479	2,815	3,515	1,505	1,517
	3.28%	0.09%	0.09%	0.06%	3.62%	1.07%	11.17%	7.06%	4.60%	1.94%	2.15%	0.92%	1.48%	0.99%	1.26%
Red Flag Computation 17	1,549,762	73,532	95,443	104,311	144,869	160,225	173,112	146,213	131,607	126,992	125,365	104,331	81,701	48,969	33,092
	27.13%	26.25%	25.84%	21.98%	27.60%	29.83%	27.02%	26.70%	25.85%	26.63%	28.13%	30.68%	31.41%	28.53%	24.49%
Red Flag Computation 18	219,726	16,096	20,087	24,142	18,760	24,936	22,584	15,675	15,745	19,048	16,299	12,062	7,396	4,054	2,842
	4.40%	6.90%	6.29%	5.77%	4.08%	5.41%	4.11%	3.30%	3.52%	4.55%	4.14%	3.95%	3.12%	2.68%	2.36%

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Rite Aid Combination Red Flagged Prescriptions Summary
Lake County, OH
Red Flag Computation 1-43, in Dosage Units

	Total	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Total Dosage Units of Combination Red Flagged Prescriptions	5,712,931	280,175	369,389	474,481	524,956	537,144	640,722	547,536	509,077	476,855	445,627	340,103	260,090	171,640	135,136
Total Dosage Units of Combination Red Flagged Opioid Prescriptions	4,991,469	233,378	319,332	418,318	459,741	461,077	549,727	474,839	447,730	418,977	394,117	305,189	237,210	151,488	120,346
Red Flag Computation 19	107,207	8,601	8,550	11,049	9,017	11,101	13,499	7,970	7,782	11,514	8,545	4,565	2,173	1,898	943
	2.15%	3.69%	2.68%	2.64%	1.96%	2.41%	2.46%	1.68%	1.74%	2.75%	2.17%	1.50%	0.92%	1.25%	0.78%
Red Flag Computation 20	304,557	20,965	27,562	27,759	25,869	30,691	31,477	29,798	26,643	28,494	25,346	13,385	7,498	5,209	3,861
	6.10%	8.98%	8.63%	6.64%	5.63%	6.66%	5.73%	6.28%	5.95%	6.80%	6.43%	4.39%	3.16%	3.44%	3.21%
Red Flag Computation 21	227,926	14,270	20,738	17,849	20,010	23,517	26,763	23,146	20,396	19,639	18,147	12,343	6,161	3,503	1,444
	4.57%	6.11%	6.49%	4.27%	4.35%	5.10%	4.87%	4.87%	4.56%	4.69%	4.60%	4.04%	2.60%	2.31%	1.20%
Red Flag Computation 22	11,183	392	433	921	1,954	1,461	419	656	885	1,075	1,750	1,172	60	5	0
	0.22%	0.17%	0.14%	0.22%	0.43%	0.32%	0.08%	0.14%	0.20%	0.26%	0.44%	0.38%	0.03%	0.00%	0.00%
Red Flag Computation 23	26,917	710	712	1,745	5,530	2,747	1,836	1,626	1,982	2,665	3,236	3,589	330	197	12
	0.54%	0.30%	0.22%	0.42%	1.20%	0.60%	0.33%	0.34%	0.44%	0.64%	0.82%	1.18%	0.14%	0.13%	0.01%
Red Flag Computation 24	401,698	16,935	21,858	26,954	30,876	28,034	39,359	33,683	33,664	39,347	46,765	36,683	23,037	13,490	11,013
	8.05%	7.26%	6.84%	6.44%	6.72%	6.08%	7.16%	7.09%	7.52%	9.39%	11.87%	12.02%	9.71%	8.90%	9.15%
Red Flag Computation 25	142,689	2,739	11,475	13,940	13,410	17,942	16,370	14,089	11,133	12,725	6,807	6,370	4,978	8,210	2,501
	2.86%	1.17%	3.59%	3.33%	2.92%	3.89%	2.98%	2.97%	2.49%	3.04%	1.73%	2.09%	2.10%	5.42%	2.08%
Red Flag Computation 26	84,058	3,687	7,302	7,502	8,561	6,958	8,928	8,281	6,992	4,051	4,578	3,998	6,545	5,778	897
	1.68%	1.58%	2.29%	1.79%	1.86%	1.51%	1.62%	1.74%	1.56%	0.97%	1.16%	1.31%	2.76%	3.81%	0.75%
Red Flag Computation 27	450	0	0	0	0	0	450	0	0	0	0	0	0	0	0
	0.01%	0.00%	0.00%	0.00%	0.00%	0.00%	0.08%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Red Flag Computation 28	55,794	2,754	279	1,270	6,645	7,830	11,143	7,963	4,196	6,270	3,870	652	1,338	1,584	0
	1.12%	1.18%	0.09%	0.30%	1.45%	1.70%	2.03%	1.68%	0.94%	1.50%	0.98%	0.21%	0.56%	1.05%	0.00%
Red Flag Computation 29	87,405	3,895	4,269	7,235	13,149	13,495	19,795	13,429	9,506	2,632	0	0	0	0	0
	1.75%	1.67%	1.34%	1.73%	2.86%	2.93%	3.60%	2.83%	2.12%	0.63%	0.00%	0.00%	0.00%	0.00%	0.00%
Red Flag Computation 30	554,004	36,232	51,837	67,510	62,619	60,583	84,245	65,660	41,910	29,579	28,271	10,702	6,437	4,857	3,562
	11.10%	15.53%	16.23%	16.14%	13.62%	13.14%	15.32%	13.83%	9.36%	7.06%	7.17%	3.51%	2.71%	3.21%	2.96%
Red Flag Computation 31	749,306	27,179	43,581	53,845	58,897	65,047	106,802	89,030	77,900	66,872	51,408	36,028	34,589	23,082	15,046
	15.01%	11.65%	13.65%	12.87%	12.81%	14.11%	19.43%	18.75%	17.40%	15.96%	13.04%	11.81%	14.58%	15.24%	12.50%
Red Flag Computation 32	26,853	0	0	0	2,754	232	7,785	4,820	3,828	2,209	4,625	0	600	0	0
	0.54%	0.00%	0.00%	0.00%	0.60%	0.05%	1.42%	1.02%	0.85%	0.53%	1.17%	0.00%	0.25%	0.00%	0.00%
Red Flag Computation 33	141,145	6,144	6,544	25,621	18,066	12,890	15,186	13,092	8,956	8,315	9,252	8,333	4,457	1,142	3,147
	2.83%	2.63%	2.05%	6.12%	3.93%	2.80%	2.76%	2.76%	2.00%	1.98%	2.35%	2.73%	1.88%	0.75%	2.61%
Red Flag Computation 34	133,100	0	0	0	1,654	3,800	8,874	13,058	14,038	16,175	19,042	19,456	15,464	11,596	9,943
	2.67%	0.00%	0.00%	0.00%	0.36%	0.82%	1.61%	2.75%	3.14%	3.86%	4.83%	6.38%	6.52%	7.65%	8.26%
Red Flag Computation 35	465,117	32,508	39,635	30,700	46,686	48,887	34,130	34,566	43,811	39,220	38,132	24,443	24,482	14,499	13,418
	9.32%	13.93%	12.41%	7.34%	10.15%	10.60%	6.21%	7.28%	9.79%	9.36%	9.68%	8.01%	10.32%	9.57%	11.15%
Red Flag Computation 36	973,673	28,450	40,561	58,630	90,460	103,487	102,760	85,201	96,666	90,791	91,899	79,442	60,967	26,406	17,953
	19.51%	12.19%	12.70%	14.02%	19.68%	22.44%	18.69%	17.94%	21.59%	21.67%	23.32%	26.03%	25.70%	17.43%	14.92%

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Rite Aid Combination Red Flagged Prescriptions Summary
Lake County, OH
Red Flag Computation 1-43, in Dosage Units

	Total	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Total Dosage Units of Combination Red Flagged Prescriptions	5,712,931	280,175	369,389	474,481	524,956	537,144	640,722	547,536	509,077	476,855	445,627	340,103	260,090	171,640	135,136
Total Dosage Units of Combination Red Flagged Opioid Prescriptions	4,991,469	233,378	319,332	418,318	459,741	461,077	549,727	474,839	447,730	418,977	394,117	305,189	237,210	151,488	120,346
Red Flag Computation 37	31,876	120	180	480	720	8,310	11,980	8,826	600	540	120	0	0	0	0
	0.64%	0.05%	0.06%	0.11%	0.16%	1.80%	2.18%	1.86%	0.13%	0.13%	0.03%	0.00%	0.00%	0.00%	0.00%
Red Flag Computation 38	1,797,773	109,003	117,952	131,998	163,000	176,210	225,360	198,886	169,301	156,474	124,621	87,033	52,731	42,638	42,566
	31.47%	38.91%	31.93%	27.82%	31.05%	32.80%	35.17%	36.32%	33.26%	32.81%	27.97%	25.59%	20.27%	24.84%	31.50%
Red Flag Computation 39	155,664	10,259	12,266	14,561	14,024	17,270	22,523	20,071	14,706	11,055	7,251	3,692	2,990	2,985	2,011
	2.72%	3.66%	3.32%	3.07%	2.67%	3.22%	3.52%	3.67%	2.89%	2.32%	1.63%	1.09%	1.15%	1.74%	1.49%
Red Flag Computation 40	302,744	13,876	17,171	63,894	46,785	32,194	34,907	26,011	20,867	13,780	11,079	7,140	5,380	4,560	5,100
	6.07%	5.95%	5.38%	15.27%	10.18%	6.98%	6.35%	5.48%	4.66%	3.29%	2.81%	2.34%	2.27%	3.01%	4.24%
Red Flag Computation 41	944,603	49,655	51,603	81,446	92,095	92,090	116,315	116,290	81,529	75,972	67,192	45,836	26,395	21,297	26,888
	16.53%	17.72%	13.97%	17.17%	17.54%	17.14%	18.15%	21.24%	16.02%	15.93%	15.08%	13.48%	10.15%	12.41%	19.90%
Red Flag Computation 42	384,166	29,874	38,241	38,038	42,675	52,220	55,015	35,909	19,107	26,928	19,793	10,414	7,269	5,020	3,663
	6.72%	10.66%	10.35%	8.02%	8.13%	9.72%	8.59%	6.56%	3.75%	5.65%	4.44%	3.06%	2.79%	2.92%	2.71%
Red Flag Computation 43	5,602	0	0	0	560	20	3,015	449	774	0	784	0	0	0	0
	0.10%	0.00%	0.00%	0.00%	0.11%	0.00%	0.47%	0.08%	0.15%	0.00%	0.18%	0.00%	0.00%	0.00%	0.00%
Flagged for Any of the Red Flag Computation 1-43	5,712,931	280,175	369,389	474,481	524,956	537,144	640,722	547,536	509,077	476,855	445,627	340,103	260,090	171,640	135,136
	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%

Notes

Defendant	Date Range
CVS	January 1, 2006 to November 29, 2019
Giant Eagle/HBC	January 1, 2006 to December 3, 2019
Rite Aid	January 1, 2006 to November 19, 2019
Walgreens	January 3, 2006 to January 3, 2020
Wal-Mart	January 2, 2006 to April 25, 2018

CONFIDENTIAL – SUBJECT TO PROTECTIVE ORDER

Rite Aid Combination Red Flagged Prescriptions Summary
Lake County, OH
Red Flag Computation 1-43, in MME

	Total	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Total MME of Combination Red Flagged Prescriptions	126,275,907	5,834,295	7,467,033	11,574,472	13,130,442	12,996,903	15,171,153	12,422,500	10,431,040	9,551,482	9,280,092	7,428,624	5,694,710	3,163,379	2,129,785
Total MME of Combination Red Flagged Opioid Prescriptions	126,275,907	5,834,295	7,467,033	11,574,472	13,130,442	12,996,903	15,171,153	12,422,500	10,431,040	9,551,482	9,280,092	7,428,624	5,694,710	3,163,379	2,129,785
Red Flag Computation 1	23,757,735	833,885	846,692	1,721,509	3,211,289	3,297,753	3,793,448	2,532,962	1,766,558	1,683,249	1,672,068	1,139,415	751,225	358,189	149,495
	18.81%	14.29%	11.34%	14.87%	24.46%	25.37%	25.00%	20.39%	16.94%	17.62%	18.02%	15.34%	13.19%	11.32%	7.02%
Red Flag Computation 2	58,337,375	2,576,490	3,414,019	4,952,670	6,581,150	6,743,155	6,633,190	4,963,086	4,553,421	4,172,526	4,392,200	3,955,089	2,984,487	1,463,263	952,630
	46.20%	44.16%	45.72%	42.79%	50.12%	51.88%	43.72%	39.95%	43.65%	43.68%	47.33%	53.24%	52.41%	46.26%	44.73%
Red Flag Computation 3	14,676,093	1,051,961	1,344,127	1,354,188	1,152,390	1,746,234	1,621,694	1,237,101	1,313,378	873,251	1,021,804	1,000,235	507,928	190,468	261,337
	11.62%	18.03%	18.00%	11.70%	8.78%	13.44%	10.69%	9.96%	12.59%	9.14%	11.01%	13.46%	8.92%	6.02%	12.27%
Red Flag Computation 4	7,440,090	270,780	286,672	653,467	673,288	611,971	878,786	705,854	509,842	697,500	758,720	697,358	364,891	182,245	148,718
	5.89%	4.64%	3.84%	5.65%	5.13%	4.71%	5.79%	5.68%	4.89%	7.30%	8.18%	9.39%	6.41%	5.76%	6.98%
Red Flag Computation 5	10,908,758	752,195	704,900	643,315	1,458,406	1,710,949	1,652,123	1,092,778	637,301	744,910	555,808	406,767	311,101	129,765	108,443
	8.64%	12.89%	9.44%	5.56%	11.11%	13.16%	10.89%	8.80%	6.11%	7.80%	5.99%	5.48%	5.46%	4.10%	5.09%
Red Flag Computation 6	2,013,578	110,665	153,448	127,535	152,935	360,675	472,203	307,868	145,570	84,633	51,015	19,920	11,700	7,013	8,400
	1.59%	1.90%	2.05%	1.10%	1.16%	2.78%	3.11%	2.48%	1.40%	0.89%	0.55%	0.27%	0.21%	0.22%	0.39%
Red Flag Computation 7	42,634,505	1,963,165	2,620,202	4,106,788	4,813,971	4,545,167	5,329,671	4,249,212	3,373,810	3,254,737	2,871,789	2,040,836	1,584,713	1,127,830	752,615
	33.76%	33.65%	35.09%	35.48%	36.66%	34.97%	35.13%	34.21%	32.34%	34.08%	30.95%	27.47%	27.83%	35.65%	35.34%
Red Flag Computation 8	15,292,581	752,111	906,238	1,018,893	1,522,457	1,645,564	2,329,213	1,970,279	1,404,516	1,100,953	1,025,512	680,472	329,073	344,806	262,498
	12.11%	12.89%	12.14%	8.80%	11.59%	12.66%	15.35%	15.86%	13.46%	11.53%	11.05%	9.16%	5.78%	10.90%	12.33%
Red Flag Computation 9	12,741,948	151,693	509,005	2,282,418	1,506,063	997,838	1,417,295	1,393,701	1,245,147	965,513	740,050	655,603	550,425	134,126	193,075
	10.09%	2.60%	6.82%	19.72%	11.47%	7.68%	9.34%	11.22%	11.94%	10.11%	7.97%	8.83%	9.67%	4.24%	9.07%
Red Flag Computation 10	47,049,360	2,386,100	3,324,430	4,587,852	5,161,070	5,301,407	5,988,785	4,972,728	3,680,795	2,992,832	2,860,941	2,151,445	1,357,529	652,580	1,630,866
	37.26%	40.90%	44.52%	39.64%	39.31%	40.79%	39.47%	40.03%	35.29%	31.33%	30.83%	28.96%	23.84%	20.63%	76.57%
Red Flag Computation 11	46,369,390	2,386,100	3,324,430	4,587,852	5,161,070	5,301,407	5,988,785	4,972,728	3,680,795	2,992,832	2,860,941	2,151,445	1,357,529	652,580	950,896
	36.72%	40.90%	44.52%	39.64%	39.31%	40.79%	39.47%	40.03%	35.29%	31.33%	30.83%	28.96%	23.84%	20.63%	44.65%
Red Flag Computation 12	3,550,905	39,840	140,815	165,255	387,308	562,915	687,175	239,043	171,405	262,988	218,323	190,803	239,035	213,668	32,335
	2.81%	0.68%	1.89%	1.43%	2.95%	4.33%	4.53%	1.92%	1.64%	2.75%	2.35%	2.57%	4.20%	6.75%	1.52%
Red Flag Computation 13	1,232,355	58,575	56,030	65,800	132,413	87,610	201,905	108,920	68,183	45,458	87,660	70,905	137,755	104,753	6,390
	0.98%	1.00%	0.75%	0.57%	1.01%	0.67%	1.33%	0.88%	0.65%	0.48%	0.94%	0.95%	2.42%	3.31%	0.30%
Red Flag Computation 14	805,480	33,100	39,838	75,240	112,625	122,200	178,955	133,313	86,418	23,793	0	0	0	0	0
	0.64%	0.57%	0.53%	0.65%	0.86%	0.94%	1.18%	1.07%	0.83%	0.25%	0.00%	0.00%	0.00%	0.00%	0.00%
Red Flag Computation 15	95,124,544	4,530,815	6,131,826	9,894,669	10,928,840	10,811,950	11,499,127	9,543,195	7,423,737	6,717,134	6,158,748	4,675,216	3,750,877	1,917,952	1,140,459
	75.33%	77.66%	82.12%	85.49%	83.23%	83.19%	75.80%	76.82%	71.17%	70.33%	66.37%	62.94%	65.87%	60.63%	53.55%
Red Flag Computation 16	3,642,803	1,700	2,760	2,340	427,755	113,723	1,352,058	699,052	414,707	228,153	171,935	72,463	93,934	40,108	22,118
	2.88%	0.03%	0.04%	0.02%	3.26%	0.87%	8.91%	5.63%	3.98%	2.39%	1.85%	0.98%	1.65%	1.27%	1.04%
Red Flag Computation 17	43,866,648	2,046,571	2,727,827	3,030,721	4,637,265	5,549,628	5,520,240	4,004,688	3,265,617	3,182,872	3,304,623	2,745,739	2,189,420	1,048,080	613,360
	34.74%	35.08%	36.53%	26.18%	35.32%	42.70%	36.39%	32.24%	31.31%	33.32%	35.61%	36.96%	38.45%	33.13%	28.80%
Red Flag Computation 18	4,881,902	419,453	525,484	586,754	384,375	596,472	472,439	307,840	339,532	313,502	342,573	288,370	186,141	81,225	37,745
	3.87%	7.19%	7.04%	5.07%	2.93%	4.59%	3.11%	2.48%	3.26%	3.28%	3.69%	3.88%	3.27%	2.57%	1.77%

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Rite Aid Combination Red Flagged Prescriptions Summary
Lake County, OH
Red Flag Computation 1-43, in MME

	Total	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Total MME of Combination Red Flagged Prescriptions	126,275,907	5,834,295	7,467,033	11,574,472	13,130,442	12,996,903	15,171,153	12,422,500	10,431,040	9,551,482	9,280,092	7,428,624	5,694,710	3,163,379	2,129,785
Total MME of Combination Red Flagged Opioid Prescriptions	126,275,907	5,834,295	7,467,033	11,574,472	13,130,442	12,996,903	15,171,153	12,422,500	10,431,040	9,551,482	9,280,092	7,428,624	5,694,710	3,163,379	2,129,785
Red Flag Computation 19	2,057,370	131,413	185,595	190,533	179,402	251,401	250,611	118,687	182,563	210,102	189,079	102,818	18,163	36,750	10,258
	1.63%	2.25%	2.49%	1.65%	1.37%	1.93%	1.65%	0.96%	1.75%	2.20%	2.04%	1.38%	0.32%	1.16%	0.48%
Red Flag Computation 20	5,258,943	355,144	433,650	406,877	463,509	546,705	641,534	452,220	558,766	463,038	431,954	245,570	115,602	79,519	64,855
	4.16%	6.09%	5.81%	3.52%	3.53%	4.21%	4.23%	3.64%	5.36%	4.85%	4.65%	3.31%	2.03%	2.51%	3.05%
Red Flag Computation 21	3,997,507	273,726	354,765	240,955	379,834	388,189	536,895	309,044	455,306	309,674	308,461	250,355	126,080	51,738	12,485
	3.17%	4.69%	4.75%	2.08%	2.89%	2.99%	3.54%	2.49%	4.36%	3.24%	3.32%	3.37%	2.21%	1.64%	0.59%
Red Flag Computation 22	282,349	2,715	4,014	17,145	59,785	22,195	21,723	26,155	27,000	18,718	55,045	27,230	600	25	0
	0.22%	0.05%	0.05%	0.15%	0.46%	0.17%	0.14%	0.21%	0.26%	0.20%	0.59%	0.37%	0.01%	0.00%	0.00%
Red Flag Computation 23	804,085	5,325	6,458	63,663	206,880	44,590	72,145	50,250	61,675	66,108	105,605	111,193	7,500	2,605	90
	0.64%	0.09%	0.09%	0.55%	1.58%	0.34%	0.48%	0.40%	0.59%	0.69%	1.14%	1.50%	0.13%	0.08%	0.00%
Red Flag Computation 24	9,402,509	413,745	391,792	706,877	826,446	742,235	1,094,181	848,128	723,918	886,354	1,068,951	855,821	409,245	228,948	205,869
	7.45%	7.09%	5.25%	6.11%	6.29%	5.71%	7.21%	6.83%	6.94%	9.28%	11.52%	11.52%	7.19%	7.24%	9.67%
Red Flag Computation 25	2,063,770	25,905	91,605	123,435	200,303	348,470	328,775	154,228	99,465	152,768	116,810	130,113	117,270	154,140	20,485
	1.63%	0.44%	1.23%	1.07%	1.53%	2.68%	2.17%	1.24%	0.95%	1.60%	1.26%	1.75%	2.06%	4.87%	0.96%
Red Flag Computation 26	1,154,380	58,425	55,160	66,460	127,593	84,625	154,993	120,320	67,433	49,613	84,645	61,613	116,020	101,093	6,390
	0.91%	1.00%	0.74%	0.57%	0.97%	0.65%	1.02%	0.97%	0.65%	0.52%	0.91%	0.83%	2.04%	3.20%	0.30%
Red Flag Computation 27	10,125	0	0	0	0	0	10,125	0	0	0	0	0	0	0	0
	0.01%	0.00%	0.00%	0.00%	0.00%	0.00%	0.07%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Red Flag Computation 28	1,711,530	119,880	5,580	104,175	306,000	288,000	387,548	201,643	88,420	86,400	51,300	13,815	26,730	32,040	0
	1.36%	2.05%	0.07%	0.90%	2.33%	2.22%	2.55%	1.62%	0.85%	0.90%	0.55%	0.19%	0.47%	1.01%	0.00%
Red Flag Computation 29	585,148	24,875	26,375	49,235	83,845	94,710	135,675	90,903	61,303	18,228	0	0	0	0	0
	0.46%	0.43%	0.35%	0.43%	0.64%	0.73%	0.89%	0.73%	0.59%	0.19%	0.00%	0.00%	0.00%	0.00%	0.00%
Red Flag Computation 30	14,322,926	1,032,445	1,553,208	2,003,834	1,577,815	1,468,276	2,198,700	1,532,305	852,872	737,595	818,270	269,590	121,296	93,120	63,603
	11.34%	17.70%	20.80%	17.31%	12.02%	11.30%	14.49%	12.33%	8.18%	7.72%	8.82%	3.63%	2.13%	2.94%	2.99%
Red Flag Computation 31	20,401,605	633,393	1,141,405	1,586,965	1,546,938	1,909,625	3,261,509	2,736,708	1,912,790	1,714,825	1,344,134	913,155	861,030	550,268	288,863
	16.16%	10.86%	15.29%	13.71%	11.78%	14.69%	21.50%	22.03%	18.34%	17.95%	14.48%	12.29%	15.12%	17.39%	13.56%
Red Flag Computation 32	583,638	0	0	240	65,795	13,460	148,788	121,890	98,690	49,500	72,675	0	12,600	0	0
	0.46%	0.00%	0.00%	0.00%	0.50%	0.10%	0.98%	0.98%	0.95%	0.52%	0.78%	0.00%	0.22%	0.00%	0.00%
Red Flag Computation 33	6,148,944	240,977	252,214	1,231,982	811,753	483,196	775,790	521,243	429,713	358,325	383,323	332,085	167,471	38,790	122,085
	4.87%	4.13%	3.38%	10.64%	6.18%	3.72%	5.11%	4.20%	4.12%	3.75%	4.13%	4.47%	2.94%	1.23%	5.73%
Red Flag Computation 34	3,980,227	0	0	0	66,413	139,200	445,949	689,912	491,887	455,994	413,402	480,381	380,978	241,121	174,991
	3.15%	0.00%	0.00%	0.00%	0.51%	1.07%	2.94%	5.55%	4.72%	4.77%	4.45%	6.47%	6.69%	7.62%	8.22%
Red Flag Computation 35	11,577,561	864,795	1,057,041	925,259	1,243,078	1,305,898	1,001,023	829,471	937,313	965,633	881,677	572,098	541,141	255,556	197,580
	9.17%	14.82%	14.16%	7.99%	9.47%	10.05%	6.60%	6.68%	8.99%	10.11%	9.50%	7.70%	9.50%	8.08%	9.28%
Red Flag Computation 36	31,626,331	1,011,630	1,249,539	2,126,474	3,823,968	4,128,018	3,602,455	2,815,873	2,798,543	2,617,650	2,630,255	2,308,481	1,676,962	566,088	270,398
	25.05%	17.34%	16.73%	18.37%	29.12%	31.76%	23.75%	22.67%	26.83%	27.41%	28.34%	31.08%	29.45%	17.90%	12.70%

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Rite Aid Combination Red Flagged Prescriptions Summary
Lake County, OH
Red Flag Computation 1-43, in MME

	Total	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Total MME of Combination Red Flagged Prescriptions	126,275,907	5,834,295	7,467,033	11,574,472	13,130,442	12,996,903	15,171,153	12,422,500	10,431,040	9,551,482	9,280,092	7,428,624	5,694,710	3,163,379	2,129,785
Total MME of Combination Red Flagged Opioid Prescriptions	126,275,907	5,834,295	7,467,033	11,574,472	13,130,442	12,996,903	15,171,153	12,422,500	10,431,040	9,551,482	9,280,092	7,428,624	5,694,710	3,163,379	2,129,785
Red Flag Computation 37	845,280	600	900	2,400	3,600	232,800	348,900	249,780	3,000	2,700	600	0	0	0	0
	0.67%	0.01%	0.01%	0.02%	0.03%	1.79%	2.30%	2.01%	0.03%	0.03%	0.01%	0.00%	0.00%	0.00%	0.00%
Red Flag Computation 38	23,867,005	1,379,643	1,306,783	1,560,875	2,379,378	2,561,503	3,611,768	2,992,675	2,154,411	1,812,980	1,515,650	1,119,659	615,522	413,179	442,980
	18.90%	23.65%	17.50%	13.49%	18.12%	19.71%	23.81%	24.09%	20.65%	18.98%	16.33%	15.07%	10.81%	13.06%	20.80%
Red Flag Computation 39	1,836,608	105,805	117,598	122,045	146,785	319,095	443,760	273,930	139,570	79,483	47,205	17,370	10,125	6,788	7,050
	1.45%	1.81%	1.57%	1.05%	1.12%	2.46%	2.93%	2.21%	1.34%	0.83%	0.51%	0.23%	0.18%	0.21%	0.33%
Red Flag Computation 40	14,708,982	651,865	725,650	3,067,251	2,476,319	1,963,891	1,869,952	1,179,855	950,391	530,605	363,835	291,090	240,620	201,460	196,200
	11.65%	11.17%	9.72%	26.50%	18.86%	15.11%	12.33%	9.50%	9.11%	5.56%	3.92%	3.92%	4.23%	6.37%	9.21%
Red Flag Computation 41	14,515,385	616,789	583,426	1,404,987	1,622,690	1,518,775	2,161,493	1,937,269	1,190,545	978,310	845,067	664,868	403,816	261,691	325,663
	11.49%	10.57%	7.81%	12.14%	12.36%	11.69%	14.25%	15.59%	11.41%	10.24%	9.11%	8.95%	7.09%	8.27%	15.29%
Red Flag Computation 42	6,674,411	404,645	649,753	708,398	991,020	989,278	1,072,386	666,577	172,915	427,708	227,755	157,617	128,976	45,073	32,313
	5.29%	6.94%	8.70%	6.12%	7.55%	7.61%	7.07%	5.37%	1.66%	4.48%	2.45%	2.12%	2.26%	1.42%	1.52%
Red Flag Computation 43	93,940	0	0	0	18,500	100	49,273	5,378	10,610	0	10,080	0	0	0	0
	0.07%	0.00%	0.00%	0.00%	0.14%	0.00%	0.32%	0.04%	0.10%	0.00%	0.11%	0.00%	0.00%	0.00%	0.00%
Flagged for Any of the Red Flag Computation 1-43	126,275,907	5,834,295	7,467,033	11,574,472	13,130,442	12,996,903	15,171,153	12,422,500	10,431,040	9,551,482	9,280,092	7,428,624	5,694,710	3,163,379	2,129,785
	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%

Notes

Defendant	Date Range
CVS	January 1, 2006 to November 29, 2019
Giant Eagle/HBC	January 1, 2006 to December 3, 2019
Rite Aid	January 1, 2006 to November 19, 2019
Walgreens	January 3, 2006 to January 3, 2020
Wal-Mart	January 2, 2006 to April 25, 2018

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Rite Aid Combination Red Flagged Prescriptions Summary
Trumbull County, OH
Red Flag Computation 1-43, in # of Prescriptions

	Total	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Total # of Combination Red Flagged Prescriptions	197,114	12,465	13,435	15,524	16,653	15,969	17,148	16,380	15,335	15,323	15,564	14,219	11,641	9,659	7,799
Total # of Combination Red Flagged Opioid Prescriptions	150,136	9,436	9,982	11,789	12,673	12,160	13,293	12,682	11,626	11,859	12,075	10,821	8,682	7,155	5,903
Red Flag Computation 1	5,960	411	420	440	507	525	614	550	534	526	488	335	204	230	176
	3.97%	4.36%	4.21%	3.73%	4.00%	4.32%	4.62%	4.34%	4.59%	4.44%	4.04%	3.10%	2.35%	3.21%	2.98%
Red Flag Computation 2	35,410	2,258	2,721	3,643	3,186	3,054	3,123	3,371	2,702	2,667	2,457	1,995	1,713	1,424	1,096
	23.59%	23.93%	27.26%	30.90%	25.14%	25.12%	23.49%	26.58%	23.24%	22.49%	20.35%	18.44%	19.73%	19.90%	18.57%
Red Flag Computation 3	21,759	1,450	1,581	2,011	2,240	1,876	2,196	2,196	1,687	1,729	1,491	1,269	818	747	468
	14.49%	15.37%	15.84%	17.06%	17.68%	15.43%	16.52%	17.32%	14.51%	14.58%	12.35%	11.73%	9.42%	10.44%	7.93%
Red Flag Computation 4	14,033	819	675	880	1,162	1,050	1,101	1,493	1,342	1,429	1,784	949	532	501	316
	9.35%	8.68%	6.76%	7.46%	9.17%	8.63%	8.28%	11.77%	11.54%	12.05%	14.77%	8.77%	6.13%	7.00%	5.35%
Red Flag Computation 5	25,221	1,322	1,883	2,202	2,442	2,329	2,706	2,390	2,123	1,784	1,393	1,559	1,247	995	846
	12.80%	10.61%	14.02%	14.18%	14.66%	14.58%	15.78%	14.59%	13.84%	11.64%	8.95%	10.96%	10.71%	10.30%	10.85%
Red Flag Computation 6	7,697	419	688	788	745	619	645	714	625	467	441	486	395	331	334
	3.90%	3.36%	5.12%	5.08%	4.47%	3.88%	3.76%	4.36%	4.08%	3.05%	2.83%	3.42%	3.39%	3.43%	4.28%
Red Flag Computation 7	111,270	7,406	7,978	8,918	9,648	9,201	9,375	8,881	8,685	8,525	8,398	7,919	6,604	5,542	4,190
	56.45%	59.41%	59.38%	57.45%	57.94%	57.62%	54.67%	54.22%	56.64%	55.64%	53.96%	55.69%	56.73%	57.38%	53.72%
Red Flag Computation 8	79,610	5,321	5,853	6,202	6,616	6,219	6,120	6,050	6,240	6,021	6,111	5,871	5,194	4,447	3,345
	40.39%	42.69%	43.57%	39.95%	39.73%	38.94%	35.69%	36.94%	40.69%	39.29%	39.26%	41.29%	44.62%	46.04%	42.89%
Red Flag Computation 9	8,882	281	303	397	449	395	951	691	671	771	1,122	1,186	749	471	445
	5.92%	2.98%	3.04%	3.37%	3.54%	3.25%	7.15%	5.45%	5.77%	6.50%	9.29%	10.96%	8.63%	6.58%	7.54%
Red Flag Computation 10	19,722	1,022	1,063	1,427	1,973	1,889	1,986	1,618	1,424	1,142	1,428	1,166	664	263	2,657
	13.14%	10.83%	10.65%	12.10%	15.57%	15.53%	14.94%	12.76%	12.25%	9.63%	11.83%	10.78%	7.65%	3.68%	45.01%
Red Flag Computation 11	17,624	1,022	1,063	1,427	1,973	1,889	1,986	1,618	1,424	1,142	1,428	1,166	664	263	559
	11.74%	10.83%	10.65%	12.10%	15.57%	15.53%	14.94%	12.76%	12.25%	9.63%	11.83%	10.78%	7.65%	3.68%	9.47%
Red Flag Computation 12	22,946	535	599	846	1,391	1,617	1,850	1,725	1,675	2,033	2,554	2,428	2,148	1,877	1,668
	15.28%	5.67%	6.00%	7.18%	10.98%	13.30%	13.92%	13.60%	14.41%	17.14%	21.15%	22.44%	24.74%	26.23%	28.26%
Red Flag Computation 13	7,822	184	242	327	473	544	599	537	642	765	914	805	602	596	592
	5.21%	1.95%	2.42%	2.77%	3.73%	4.47%	4.51%	4.23%	5.52%	6.45%	7.57%	7.44%	6.93%	8.33%	10.03%
Red Flag Computation 14	2,829	202	215	269	527	468	582	343	134	89	0	0	0	0	0
	1.88%	2.14%	2.15%	2.28%	4.16%	3.85%	4.38%	2.70%	1.15%	0.75%	0.00%	0.00%	0.00%	0.00%	0.00%
Red Flag Computation 15	68,656	4,302	4,596	5,970	6,592	6,225	7,125	6,088	5,114	5,126	5,320	4,749	3,239	2,577	1,633
	45.73%	45.59%	46.04%	50.64%	52.02%	51.19%	53.60%	48.01%	43.99%	43.22%	44.06%	43.89%	37.31%	36.02%	27.66%
Red Flag Computation 16	3,132	6	12	6	295	178	818	538	411	318	184	105	69	97	95
	2.09%	0.06%	0.12%	0.05%	2.33%	1.46%	6.15%	4.24%	3.54%	2.68%	1.52%	0.97%	0.79%	1.36%	1.61%
Red Flag Computation 17	27,076	1,606	2,104	2,858	2,696	2,543	2,463	2,639	1,978	1,786	1,739	1,516	1,211	1,096	841
	13.74%	12.88%	15.66%	18.41%	16.19%	15.92%	14.36%	16.11%	12.90%	11.66%	11.17%	10.66%	10.40%	11.35%	10.78%
Red Flag Computation 18	7,439	524	549	715	611	580	615	682	629	697	544	397	359	331	206
	4.95%	5.55%	5.50%	6.06%	4.82%	4.77%	4.63%	5.38%	5.41%	5.88%	4.51%	3.67%	4.13%	4.63%	3.49%

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Rite Aid Combination Red Flagged Prescriptions Summary
Trumbull County, OH
Red Flag Computation 1-43, in # of Prescriptions

	Total	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Total # of Combination Red Flagged Prescriptions	197,114	12,465	13,435	15,524	16,653	15,969	17,148	16,380	15,335	15,323	15,564	14,219	11,641	9,659	7,799
Total # of Combination Red Flagged Opioid Prescriptions	150,136	9,436	9,982	11,789	12,673	12,160	13,293	12,682	11,626	11,859	12,075	10,821	8,682	7,155	5,903
Red Flag Computation 19	3,297	200	242	293	285	300	315	301	284	304	219	186	150	145	73
	2.20%	2.12%	2.42%	2.49%	2.25%	2.47%	2.37%	2.37%	2.44%	2.56%	1.81%	1.72%	1.73%	2.03%	1.24%
Red Flag Computation 20	9,267	636	634	821	885	965	981	863	688	756	549	542	349	348	250
	6.17%	6.74%	6.35%	6.96%	6.98%	7.94%	7.38%	6.80%	5.92%	6.37%	4.55%	5.01%	4.02%	4.86%	4.24%
Red Flag Computation 21	6,749	411	442	547	621	610	622	690	600	676	442	400	278	265	145
	4.50%	4.36%	4.43%	4.64%	4.90%	5.02%	4.68%	5.44%	5.16%	5.70%	3.66%	3.70%	3.20%	3.70%	2.46%
Red Flag Computation 22	257	14	23	27	42	22	13	22	24	29	13	4	2	17	5
	0.17%	0.15%	0.23%	0.23%	0.33%	0.18%	0.10%	0.17%	0.21%	0.24%	0.11%	0.04%	0.02%	0.24%	0.08%
Red Flag Computation 23	444	16	30	35	79	33	26	36	63	57	26	5	1	28	9
	0.30%	0.17%	0.30%	0.30%	0.62%	0.27%	0.20%	0.28%	0.54%	0.48%	0.22%	0.05%	0.01%	0.39%	0.15%
Red Flag Computation 24	19,067	1,184	945	1,156	1,524	1,388	1,495	1,888	1,871	2,051	2,393	1,365	686	658	463
	12.70%	12.55%	9.47%	9.81%	12.03%	11.41%	11.25%	14.89%	16.09%	17.29%	19.82%	12.61%	7.90%	9.20%	7.84%
Red Flag Computation 25	13,878	281	319	470	753	975	1,074	979	1,091	1,324	1,581	1,484	1,324	1,189	1,034
	9.24%	2.98%	3.20%	3.99%	5.94%	8.02%	8.08%	7.72%	9.38%	11.16%	13.09%	13.71%	15.25%	16.62%	17.52%
Red Flag Computation 26	6,807	145	209	298	399	473	511	468	575	644	807	698	527	532	521
	4.53%	1.54%	2.09%	2.53%	3.15%	3.89%	3.84%	3.69%	4.95%	5.43%	6.68%	6.45%	6.07%	7.44%	8.83%
Red Flag Computation 27	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Red Flag Computation 28	144	10	0	0	2	14	0	2	3	10	15	25	23	24	16
	0.10%	0.11%	0.00%	0.00%	0.02%	0.12%	0.00%	0.02%	0.03%	0.08%	0.12%	0.23%	0.26%	0.34%	0.27%
Red Flag Computation 29	2,146	152	157	197	396	358	431	268	113	74	0	0	0	0	0
	1.43%	1.61%	1.57%	1.67%	3.12%	2.94%	3.24%	2.11%	0.97%	0.62%	0.00%	0.00%	0.00%	0.00%	0.00%
Red Flag Computation 30	9,594	820	950	1,207	1,293	1,237	1,363	967	540	398	246	188	175	128	82
	6.39%	8.69%	9.52%	10.24%	10.20%	10.17%	10.25%	7.62%	4.64%	3.36%	2.04%	1.74%	2.02%	1.79%	1.39%
Red Flag Computation 31	13,460	350	819	876	1,105	1,036	1,858	1,238	821	992	1,188	1,221	889	616	451
	8.97%	3.71%	8.20%	7.43%	8.72%	8.52%	13.98%	9.76%	7.06%	8.36%	9.84%	11.28%	10.24%	8.61%	7.64%
Red Flag Computation 32	283	0	0	0	84	28	62	37	36	7	13	8	7	0	1
	0.19%	0.00%	0.00%	0.00%	0.66%	0.23%	0.47%	0.29%	0.31%	0.06%	0.11%	0.07%	0.08%	0.00%	0.02%
Red Flag Computation 33	9,475	787	531	605	850	903	858	810	622	702	886	911	468	405	137
	6.31%	8.34%	5.32%	5.13%	6.71%	7.43%	6.45%	6.39%	5.35%	5.92%	7.34%	8.42%	5.39%	5.66%	2.32%
Red Flag Computation 34	1,977	0	0	0	59	124	243	249	199	223	291	274	184	80	51
	1.32%	0.00%	0.00%	0.00%	0.47%	1.02%	1.83%	1.96%	1.71%	1.88%	2.41%	2.53%	2.12%	1.12%	0.86%
Red Flag Computation 35	28,010	2,114	1,931	2,143	2,413	2,372	2,012	1,667	1,720	2,080	2,613	2,291	1,812	1,466	1,376
	18.66%	22.40%	19.34%	18.18%	19.04%	19.51%	15.14%	13.14%	14.79%	17.54%	21.64%	21.17%	20.87%	20.49%	23.31%
Red Flag Computation 36	15,009	964	1,268	2,062	1,736	1,528	1,564	1,677	961	820	758	523	515	388	245
	10.00%	10.22%	12.70%	17.49%	13.70%	12.57%	11.77%	13.22%	8.27%	6.91%	6.28%	4.83%	5.93%	5.42%	4.15%

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Rite Aid Combination Red Flagged Prescriptions Summary
Trumbull County, OH
Red Flag Computation 1-43, in # of Prescriptions

	Total	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Total # of Combination Red Flagged Prescriptions	197,114	12,465	13,435	15,524	16,653	15,969	17,148	16,380	15,335	15,323	15,564	14,219	11,641	9,659	7,799
Total # of Combination Red Flagged Opioid Prescriptions	150,136	9,436	9,982	11,789	12,673	12,160	13,293	12,682	11,626	11,859	12,075	10,821	8,682	7,155	5,903
Red Flag Computation 37	129	0	3	5	18	18	30	13	0	0	0	7	12	12	11
	0.09%	0.00%	0.03%	0.04%	0.14%	0.15%	0.23%	0.10%	0.00%	0.00%	0.00%	0.06%	0.14%	0.17%	0.19%
Red Flag Computation 38	97,642	6,392	7,138	7,656	8,230	7,755	7,846	7,882	7,724	7,351	7,324	7,043	6,128	5,192	3,981
	49.54%	51.28%	53.13%	49.32%	49.42%	48.56%	45.75%	48.12%	50.37%	47.97%	47.06%	49.53%	52.64%	53.75%	51.05%
Red Flag Computation 39	7,382	394	656	764	729	603	615	690	592	445	404	459	380	319	332
	3.75%	3.16%	4.88%	4.92%	4.38%	3.78%	3.59%	4.21%	3.86%	2.90%	2.60%	3.23%	3.26%	3.30%	4.26%
Red Flag Computation 40	5,325	442	442	621	528	272	727	562	334	432	404	320	94	97	50
	3.55%	4.68%	4.43%	5.27%	4.17%	2.24%	5.47%	4.43%	2.87%	3.64%	3.35%	2.96%	1.08%	1.36%	0.85%
Red Flag Computation 41	44,431	3,018	3,656	3,641	4,011	3,494	3,545	3,452	3,130	2,996	2,909	3,085	2,908	2,502	2,084
	22.54%	24.21%	27.21%	23.45%	24.09%	21.88%	20.67%	21.07%	20.41%	19.55%	18.69%	21.70%	24.98%	25.90%	26.72%
Red Flag Computation 42	14,654	1,147	1,236	1,262	1,515	1,281	1,548	1,242	1,088	1,055	892	931	694	407	356
	7.43%	9.20%	9.20%	8.13%	9.10%	8.02%	9.03%	7.58%	7.09%	6.89%	5.73%	6.55%	5.96%	4.21%	4.56%
Red Flag Computation 43	164	0	0	0	54	10	60	25	14	1	0	0	0	0	0
	0.08%	0.00%	0.00%	0.00%	0.32%	0.06%	0.35%	0.15%	0.09%	0.01%	0.00%	0.00%	0.00%	0.00%	0.00%
Flagged for Any of the Red Flag Computation 1-43	197,114	12,465	13,435	15,524	16,653	15,969	17,148	16,380	15,335	15,323	15,564	14,219	11,641	9,659	7,799
	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%

Notes

Defendant	Date Range
CVS	January 1, 2006 to November 29, 2019
Giant Eagle/HBC	January 1, 2006 to December 3, 2019
Rite Aid	January 1, 2006 to November 19, 2019
Walgreens	January 3, 2006 to January 3, 2020
Wal-Mart	January 2, 2006 to April 25, 2018

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Rite Aid Combination Red Flagged Prescriptions Summary
Trumbull County, OH
Red Flag Computation 1-43, in Dosage Units

	Total	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Total Dosage Units of Combination Red Flagged Prescriptions	15,449,771	845,973	968,890	1,191,384	1,297,439	1,245,332	1,354,526	1,305,170	1,258,308	1,259,132	1,274,079	1,134,943	927,338	776,132	611,125
Total Dosage Units of Combination Red Flagged Opioid Prescriptions	12,267,541	649,271	733,682	944,056	1,030,129	991,860	1,103,404	1,057,537	999,403	1,014,749	1,031,520	904,153	728,822	596,148	482,807
Red Flag Computation 1	512,663	30,444	33,600	34,805	37,875	42,826	54,982	48,817	50,290	48,352	44,726	32,173	17,285	21,056	15,432
	4.18%	4.69%	4.58%	3.69%	3.68%	4.32%	4.98%	4.62%	5.03%	4.76%	4.34%	3.56%	2.37%	3.53%	3.20%
Red Flag Computation 2	2,917,024	148,503	195,697	312,119	287,010	277,970	277,522	299,490	227,401	215,995	195,472	162,462	125,896	110,326	81,161
	23.78%	22.87%	26.67%	33.06%	27.86%	28.03%	25.15%	28.32%	22.75%	21.29%	18.95%	17.97%	17.27%	18.51%	16.81%
Red Flag Computation 3	1,580,777	94,780	113,693	152,702	166,028	141,149	167,356	167,562	124,014	121,871	107,750	87,956	59,109	48,350	28,457
	12.89%	14.60%	15.50%	16.18%	16.12%	14.23%	15.17%	15.84%	12.41%	12.01%	10.45%	9.73%	8.11%	8.11%	5.89%
Red Flag Computation 4	1,159,053	54,968	47,251	74,192	93,056	81,433	83,602	125,167	119,790	122,217	152,775	82,387	48,376	44,985	28,854
	9.45%	8.47%	6.44%	7.86%	9.03%	8.21%	7.58%	11.84%	11.99%	12.04%	14.81%	9.11%	6.64%	7.55%	5.98%
Red Flag Computation 5	2,026,054	98,611	151,256	179,914	194,616	186,894	217,691	197,041	170,759	144,385	112,528	127,442	96,060	82,288	66,569
	13.11%	11.66%	15.61%	15.10%	15.00%	15.01%	16.07%	15.10%	13.57%	11.47%	8.83%	11.23%	10.36%	10.60%	10.89%
Red Flag Computation 6	650,681	35,548	64,492	71,088	61,886	51,587	52,364	59,557	51,205	39,999	35,570	40,857	31,657	27,552	27,319
	4.21%	4.20%	6.66%	5.97%	4.77%	4.14%	3.87%	4.56%	4.07%	3.18%	2.79%	3.60%	3.41%	3.55%	4.47%
Red Flag Computation 7	8,915,565	526,582	590,868	677,777	748,320	705,629	726,626	706,521	727,766	730,207	729,165	663,352	555,616	478,946	348,190
	57.71%	62.25%	60.98%	56.89%	57.68%	56.66%	53.64%	54.13%	57.84%	57.99%	57.23%	58.45%	59.92%	61.71%	56.98%
Red Flag Computation 8	6,500,869	392,686	448,357	474,350	525,174	481,820	474,705	486,815	533,971	528,632	538,863	500,606	440,531	389,492	284,867
	42.08%	46.42%	46.28%	39.82%	40.48%	38.69%	35.05%	37.30%	42.44%	41.98%	42.29%	44.11%	47.50%	50.18%	46.61%
Red Flag Computation 9	851,204	18,428	28,169	49,123	47,197	36,840	92,961	57,065	67,284	76,700	105,182	106,891	68,408	50,218	46,738
	6.94%	2.84%	3.84%	5.20%	4.58%	3.71%	8.42%	5.40%	6.73%	7.56%	10.20%	11.82%	9.39%	8.42%	9.68%
Red Flag Computation 10	1,902,002	59,242	73,910	141,730	195,943	179,353	195,166	161,328	151,531	129,113	153,651	111,115	69,068	36,693	244,159
	15.50%	9.12%	10.07%	15.01%	19.02%	18.08%	17.69%	15.26%	15.16%	12.72%	14.90%	12.29%	9.48%	6.16%	50.57%
Red Flag Computation 11	1,723,933	59,242	73,910	141,730	195,943	179,353	195,166	161,328	151,531	129,113	153,651	111,115	69,068	36,693	66,090
	14.05%	9.12%	10.07%	15.01%	19.02%	18.08%	17.69%	15.26%	15.16%	12.72%	14.90%	12.29%	9.48%	6.16%	13.69%
Red Flag Computation 12	2,209,945	35,476	43,992	71,555	133,034	167,690	200,774	178,676	173,068	200,626	239,904	225,008	198,976	182,216	158,950
	18.01%	5.46%	6.00%	7.58%	12.91%	16.91%	18.20%	16.90%	17.32%	19.77%	23.26%	24.89%	27.30%	30.57%	32.92%
Red Flag Computation 13	777,634	14,347	19,371	28,626	46,970	56,936	64,362	55,687	67,333	80,607	91,179	76,137	56,761	59,409	59,909
	6.34%	2.21%	2.64%	3.03%	4.56%	5.74%	5.83%	5.27%	6.74%	7.94%	8.84%	8.42%	7.79%	9.97%	12.41%
Red Flag Computation 14	278,587	19,523	21,913	26,545	51,878	45,441	60,159	33,103	13,440	6,585	0	0	0	0	0
	2.27%	3.01%	2.99%	2.81%	5.04%	4.58%	5.45%	3.13%	1.34%	0.65%	0.00%	0.00%	0.00%	0.00%	0.00%
Red Flag Computation 15	5,607,313	303,777	358,948	506,464	547,407	505,010	607,844	517,482	449,729	430,202	428,400	364,375	258,261	192,565	136,849
	45.71%	46.79%	48.92%	53.65%	53.14%	50.92%	55.09%	48.93%	45.00%	42.39%	41.53%	40.30%	35.44%	32.30%	28.34%
Red Flag Computation 16	200,774	540	807	420	25,810	13,675	50,217	28,706	25,484	22,353	12,269	6,702	3,859	4,684	5,248
	1.64%	0.08%	0.11%	0.04%	2.51%	1.38%	4.55%	2.71%	2.55%	2.20%	1.19%	0.74%	0.53%	0.79%	1.09%
Red Flag Computation 17	2,278,380	111,403	156,958	249,169	243,729	231,494	222,752	242,174	167,305	149,130	139,365	121,022	94,696	87,108	62,075
	14.75%	13.17%	16.20%	20.91%	18.79%	18.59%	16.45%	18.55%	13.30%	11.84%	10.94%	10.66%	10.21%	11.22%	10.16%
Red Flag Computation 18	418,858	26,263	27,668	42,923	36,484	35,117	35,954	38,057	35,620	42,016	31,033	24,613	19,146	15,499	8,465
	3.41%	4.04%	3.77%	4.55%	3.54%	3.54%	3.26%	3.60%	3.56%	4.14%	3.01%	2.72%	2.63%	2.60%	1.75%

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Rite Aid Combination Red Flagged Prescriptions Summary
Trumbull County, OH
Red Flag Computation 1-43, in Dosage Units

	Total	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Total Dosage Units of Combination Red Flagged Prescriptions	15,449,771	845,973	968,890	1,191,384	1,297,439	1,245,332	1,354,526	1,305,170	1,258,308	1,259,132	1,274,079	1,134,943	927,338	776,132	611,125
Total Dosage Units of Combination Red Flagged Opioid Prescriptions	12,267,541	649,271	733,682	944,056	1,030,129	991,860	1,103,404	1,057,537	999,403	1,014,749	1,031,520	904,153	728,822	596,148	482,807
Red Flag Computation 19	194,399	10,703	12,479	19,183	17,626	18,515	19,174	17,458	16,740	19,889	12,240	12,094	8,579	7,180	2,539
	1.58%	1.65%	1.70%	2.03%	1.71%	1.87%	1.74%	1.65%	1.67%	1.96%	1.19%	1.34%	1.18%	1.20%	0.53%
Red Flag Computation 20	548,260	35,246	36,013	55,131	54,075	64,130	64,409	51,279	41,066	42,011	28,670	30,664	19,179	16,890	9,497
	4.47%	5.43%	4.91%	5.84%	5.25%	6.47%	5.84%	4.85%	4.11%	4.14%	2.78%	3.39%	2.63%	2.83%	1.97%
Red Flag Computation 21	404,428	24,552	23,864	38,313	37,897	38,480	38,226	43,482	38,414	38,797	25,299	21,926	15,769	13,681	5,728
	3.30%	3.78%	3.25%	4.06%	3.68%	3.88%	3.46%	4.11%	3.84%	3.82%	2.45%	2.43%	2.16%	2.29%	1.19%
Red Flag Computation 22	15,131	877	783	1,780	2,485	1,618	450	1,783	1,650	1,461	610	276	40	993	325
	0.12%	0.14%	0.11%	0.19%	0.24%	0.16%	0.04%	0.17%	0.17%	0.14%	0.06%	0.03%	0.01%	0.17%	0.07%
Red Flag Computation 23	32,005	924	1,293	2,310	4,875	2,703	1,135	3,244	6,350	4,001	1,798	206	20	2,041	1,105
	0.26%	0.14%	0.18%	0.24%	0.47%	0.27%	0.10%	0.31%	0.64%	0.39%	0.17%	0.02%	0.00%	0.34%	0.23%
Red Flag Computation 24	1,474,221	73,729	60,069	88,823	114,283	102,439	105,047	144,995	160,180	170,589	195,900	110,448	56,584	54,142	36,993
	12.02%	11.36%	8.19%	9.41%	11.09%	10.33%	9.52%	13.71%	16.03%	16.81%	18.99%	12.22%	7.76%	9.08%	7.66%
Red Flag Computation 25	1,388,957	19,032	23,746	40,397	75,646	102,947	119,658	102,712	114,950	137,302	155,483	144,184	127,320	122,267	103,313
	11.32%	2.93%	3.24%	4.28%	7.34%	10.38%	10.84%	9.71%	11.50%	13.53%	15.07%	15.95%	17.47%	20.51%	21.40%
Red Flag Computation 26	678,703	10,825	16,547	25,699	39,423	50,304	54,444	48,714	60,379	68,095	81,056	67,153	49,677	53,042	53,345
	5.53%	1.67%	2.26%	2.72%	3.83%	5.07%	4.93%	4.61%	6.04%	6.71%	7.86%	7.43%	6.82%	8.90%	11.05%
Red Flag Computation 27	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Red Flag Computation 28	17,258	798	0	0	60	1,680	0	300	440	1,600	2,000	3,000	2,760	2,880	1,740
	0.14%	0.12%	0.00%	0.00%	0.01%	0.17%	0.00%	0.03%	0.04%	0.16%	0.19%	0.33%	0.38%	0.48%	0.36%
Red Flag Computation 29	205,881	14,387	15,798	18,825	37,676	33,128	43,354	25,778	11,570	5,365	0	0	0	0	0
	1.68%	2.22%	2.15%	1.99%	3.66%	3.34%	3.93%	2.44%	1.16%	0.53%	0.00%	0.00%	0.00%	0.00%	0.00%
Red Flag Computation 30	849,997	65,396	80,369	110,219	116,551	112,337	128,318	91,667	50,709	33,985	20,808	13,128	12,507	8,479	5,524
	6.93%	10.07%	10.95%	11.68%	11.31%	11.33%	11.63%	8.67%	5.07%	3.35%	2.02%	1.45%	1.72%	1.42%	1.14%
Red Flag Computation 31	1,300,188	37,438	82,272	94,578	116,293	105,915	191,725	121,407	92,174	92,653	90,121	100,216	81,912	51,603	41,881
	10.60%	5.77%	11.21%	10.02%	11.29%	10.68%	17.38%	11.48%	9.22%	9.13%	8.74%	11.08%	11.24%	8.66%	8.67%
Red Flag Computation 32	31,282	0	0	0	11,434	3,780	6,127	2,990	2,108	930	1,975	960	798	0	180
	0.25%	0.00%	0.00%	0.00%	1.11%	0.38%	0.56%	0.28%	0.21%	0.09%	0.19%	0.11%	0.11%	0.00%	0.04%
Red Flag Computation 33	500,579	35,240	31,017	41,828	50,543	49,486	54,399	48,768	34,337	36,846	42,379	41,575	18,046	11,382	4,733
	4.08%	5.43%	4.23%	4.43%	4.91%	4.99%	4.93%	4.61%	3.44%	3.63%	4.11%	4.60%	2.48%	1.91%	0.98%
Red Flag Computation 34	180,322	0	0	0	5,070	9,235	19,239	18,026	18,601	19,602	31,991	26,569	19,291	7,675	5,023
	1.47%	0.00%	0.00%	0.00%	0.49%	0.93%	1.74%	1.70%	1.86%	1.93%	3.10%	2.94%	2.65%	1.29%	1.04%
Red Flag Computation 35	1,578,792	110,492	108,916	128,285	145,747	133,865	110,050	94,331	98,274	132,458	159,634	128,816	98,747	65,965	63,212
	12.87%	17.02%	14.85%	13.59%	14.15%	13.50%	9.97%	8.92%	9.83%	13.05%	15.48%	14.25%	13.55%	11.07%	13.09%
Red Flag Computation 36	1,432,616	68,455	102,834	204,648	183,523	164,843	162,101	171,858	93,715	74,714	66,716	45,635	36,114	35,411	22,049
	11.68%	10.54%	14.02%	21.68%	17.82%	16.62%	14.69%	16.25%	9.38%	7.36%	6.47%	5.05%	4.96%	5.94%	4.57%

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Rite Aid Combination Red Flagged Prescriptions Summary
Trumbull County, OH
Red Flag Computation 1-43, in Dosage Units

	Total	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Total Dosage Units of Combination Red Flagged Prescriptions	15,449,771	845,973	968,890	1,191,384	1,297,439	1,245,332	1,354,526	1,305,170	1,258,308	1,259,132	1,274,079	1,134,943	927,338	776,132	611,125
Total Dosage Units of Combination Red Flagged Opioid Prescriptions	12,267,541	649,271	733,682	944,056	1,030,129	991,860	1,103,404	1,057,537	999,403	1,014,749	1,031,520	904,153	728,822	596,148	482,807
Red Flag Computation 37	12,598	0	0	0	0	0	0	2,640	0	0	0	1,560	2,880	2,878	2,640
	0.10%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.25%	0.00%	0.00%	0.00%	0.17%	0.40%	0.48%	0.55%
Red Flag Computation 38	7,939,476	471,450	547,904	588,771	653,987	608,609	617,069	635,817	655,391	633,477	632,912	592,680	513,563	450,969	336,877
	51.39%	55.73%	56.55%	49.42%	50.41%	48.87%	45.56%	48.72%	52.09%	50.31%	49.68%	52.22%	55.38%	58.10%	55.12%
Red Flag Computation 39	621,476	33,502	61,122	69,179	60,596	49,757	49,929	57,142	48,095	37,892	31,925	38,167	30,442	26,589	27,139
	4.02%	3.96%	6.31%	5.81%	4.67%	4.00%	3.69%	4.38%	3.82%	3.01%	2.51%	3.36%	3.28%	3.43%	4.44%
Red Flag Computation 40	399,808	25,317	30,897	51,442	42,902	22,244	52,941	33,972	26,873	34,316	36,539	23,927	5,790	6,179	6,469
	3.26%	3.90%	4.21%	5.45%	4.16%	2.24%	4.80%	3.21%	2.69%	3.38%	3.54%	2.65%	0.79%	1.04%	1.34%
Red Flag Computation 41	3,707,881	222,956	290,345	282,878	322,707	269,293	288,060	289,419	270,375	263,306	260,246	267,530	254,488	232,920	193,358
	24.00%	26.35%	29.97%	23.74%	24.87%	21.62%	21.27%	22.17%	21.49%	20.91%	20.43%	23.57%	27.44%	30.01%	31.64%
Red Flag Computation 42	977,952	66,479	80,726	84,387	97,915	78,183	106,500	81,810	72,725	78,031	63,999	66,019	48,080	29,432	23,666
	6.33%	7.86%	8.33%	7.08%	7.55%	6.28%	7.86%	6.27%	5.78%	6.20%	5.02%	5.82%	5.18%	3.79%	3.87%
Red Flag Computation 43	9,764	0	0	0	3,760	480	3,481	1,416	597	30	0	0	0	0	0
	0.06%	0.00%	0.00%	0.00%	0.29%	0.04%	0.26%	0.11%	0.05%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Flagged for Any of the Red Flag Computation 1-43	15,449,771	845,973	968,890	1,191,384	1,297,439	1,245,332	1,354,526	1,305,170	1,258,308	1,259,132	1,274,079	1,134,943	927,338	776,132	611,125
	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%

Notes

Defendant	Date Range
CVS	January 1, 2006 to November 29, 2019
Giant Eagle/HBC	January 1, 2006 to December 3, 2019
Rite Aid	January 1, 2006 to November 19, 2019
Walgreens	January 3, 2006 to January 3, 2020
Wal-Mart	January 2, 2006 to April 25, 2018

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Rite Aid Combination Red Flagged Prescriptions Summary
Trumbull County, OH
Red Flag Computation 1-43, in MME

	Total	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Total MME of Combination Red Flagged Prescriptions	276,030,282	15,875,874	17,571,966	23,085,447	25,870,819	23,874,399	26,620,664	24,651,856	22,848,857	21,190,638	22,679,199	19,512,853	13,648,722	10,411,709	8,187,282
Total MME of Combination Red Flagged Opioid Prescriptions	276,030,282	15,875,874	17,571,966	23,085,447	25,870,819	23,874,399	26,620,664	24,651,856	22,848,857	21,190,638	22,679,199	19,512,853	13,648,722	10,411,709	8,187,282
Red Flag Computation 1	11,316,232	727,177	776,975	619,936	962,140	996,537	1,345,275	1,009,388	1,256,163	1,058,764	937,338	704,663	306,686	367,298	247,895
	4.10%	4.58%	4.42%	2.69%	3.72%	4.17%	5.05%	4.09%	5.50%	5.00%	4.13%	3.61%	2.25%	3.53%	3.03%
Red Flag Computation 2	58,604,964	2,894,988	4,219,649	7,145,343	5,840,353	5,255,387	5,433,935	5,290,858	4,908,727	4,334,234	4,028,878	3,393,636	2,265,131	2,154,131	1,439,716
	21.23%	18.24%	24.01%	30.95%	22.58%	22.01%	20.41%	21.46%	21.48%	20.45%	17.76%	17.39%	16.60%	20.69%	17.58%
Red Flag Computation 3	31,824,381	2,020,960	2,250,404	3,415,864	3,580,253	2,640,604	3,547,907	3,386,740	2,524,260	2,314,323	2,051,203	1,800,902	1,017,571	781,716	491,675
	11.53%	12.73%	12.81%	14.80%	13.84%	11.06%	13.33%	13.74%	11.05%	10.92%	9.04%	9.23%	7.46%	7.51%	6.01%
Red Flag Computation 4	32,271,276	1,876,988	1,316,567	2,044,416	2,544,143	2,384,641	2,158,469	3,604,801	3,510,665	3,368,280	4,248,408	2,397,862	1,293,483	933,019	589,536
	11.69%	11.82%	7.49%	8.86%	9.83%	9.99%	8.11%	14.62%	15.36%	15.90%	18.73%	12.29%	9.48%	8.96%	7.20%
Red Flag Computation 5	28,264,896	1,380,733	1,967,985	2,421,457	2,969,569	2,773,090	3,537,555	3,056,568	2,584,683	2,053,846	1,614,555	1,556,811	996,470	765,310	586,265
	10.24%	8.70%	11.20%	10.49%	11.48%	11.62%	13.29%	12.40%	11.31%	9.69%	7.12%	7.98%	7.30%	7.35%	7.16%
Red Flag Computation 6	8,270,822	367,510	764,703	1,035,620	1,051,078	761,775	797,090	769,770	743,813	688,180	378,136	331,528	196,740	199,540	185,340
	3.00%	2.31%	4.35%	4.49%	4.06%	3.19%	2.99%	3.12%	3.26%	3.25%	1.67%	1.70%	1.44%	1.92%	2.26%
Red Flag Computation 7	136,220,426	7,926,967	9,417,246	11,821,719	13,190,621	11,848,936	12,079,531	11,577,066	11,200,454	10,430,509	10,641,209	9,308,767	7,061,936	5,625,587	4,089,878
	49.35%	49.93%	53.59%	51.21%	50.99%	49.63%	45.38%	46.96%	49.02%	49.22%	46.92%	47.71%	51.74%	54.03%	49.95%
Red Flag Computation 8	81,443,871	4,871,489	5,886,820	6,785,396	7,763,764	6,641,412	6,521,603	6,142,665	6,535,388	6,231,403	6,497,279	5,743,569	4,734,265	4,049,188	3,039,632
	29.51%	30.68%	33.50%	29.39%	30.01%	27.82%	24.50%	24.92%	28.60%	29.41%	28.65%	29.43%	34.69%	38.89%	37.13%
Red Flag Computation 9	18,922,482	423,485	792,723	1,333,737	1,232,715	975,303	1,632,604	1,258,427	1,676,852	1,742,687	2,400,466	2,183,445	1,212,294	1,024,902	1,032,844
	6.86%	2.67%	4.51%	5.78%	4.76%	4.09%	6.13%	5.10%	7.34%	8.22%	10.58%	11.19%	8.88%	9.84%	12.62%
Red Flag Computation 10	122,435,117	6,990,829	8,329,527	11,858,395	14,275,100	12,510,016	13,656,420	11,447,800	9,901,670	7,457,880	8,550,212	6,165,905	3,416,318	2,004,885	5,870,161
	44.36%	44.03%	47.40%	51.37%	55.18%	52.40%	51.30%	46.44%	43.34%	35.19%	37.70%	31.60%	25.03%	19.26%	71.70%
Red Flag Computation 11	119,494,443	6,990,829	8,329,527	11,858,395	14,275,100	12,510,016	13,656,420	11,447,800	9,901,670	7,457,880	8,550,212	6,165,905	3,416,318	2,004,885	2,929,488
	43.29%	44.03%	47.40%	51.37%	55.18%	52.40%	51.30%	46.44%	43.34%	35.19%	37.70%	31.60%	25.03%	19.26%	35.78%
Red Flag Computation 12	39,292,025	499,938	457,608	1,021,423	3,581,115	4,597,173	5,336,198	3,903,380	2,937,150	2,829,808	3,510,430	3,322,483	2,861,545	2,354,763	2,079,015
	14.23%	3.15%	2.60%	4.42%	13.84%	19.26%	20.05%	15.83%	12.85%	13.35%	15.48%	17.03%	20.97%	22.62%	25.39%
Red Flag Computation 13	13,452,586	182,875	182,873	403,340	1,274,548	1,705,320	1,676,023	1,111,638	1,165,263	1,080,408	1,204,975	1,082,163	818,926	773,580	790,658
	4.87%	1.15%	1.04%	1.75%	4.93%	7.14%	6.30%	4.51%	5.10%	5.10%	5.31%	5.55%	6.00%	7.43%	9.66%
Red Flag Computation 14	2,300,371	157,510	167,830	216,355	410,068	369,423	511,456	295,470	111,315	60,945	0	0	0	0	0
	0.83%	0.99%	0.96%	0.94%	1.59%	1.55%	1.92%	1.20%	0.49%	0.29%	0.00%	0.00%	0.00%	0.00%	0.00%
Red Flag Computation 15	174,880,301	11,001,885	11,817,653	16,766,760	18,394,171	16,268,278	18,780,787	16,558,038	14,031,503	12,008,754	13,397,697	11,037,257	6,663,977	4,728,391	3,425,151
	63.36%	69.30%	67.25%	72.63%	71.10%	68.14%	70.55%	67.17%	61.41%	56.67%	59.07%	56.56%	48.82%	45.41%	41.84%
Red Flag Computation 16	3,655,124	5,400	7,795	3,150	610,208	316,933	1,037,695	468,829	461,464	323,100	156,415	91,143	55,848	61,088	56,058
	1.32%	0.03%	0.04%	0.01%	2.36%	1.33%	3.90%	1.90%	2.02%	1.52%	0.69%	0.47%	0.41%	0.59%	0.68%
Red Flag Computation 17	41,186,171	2,047,765	3,054,970	4,975,727	4,263,636	3,739,669	3,787,620	3,630,607	3,354,998	2,974,795	2,709,749	2,294,688	1,570,290	1,658,174	1,123,485
	14.92%	12.90%	17.39%	21.55%	16.48%	15.66%	14.23%	14.73%	14.68%	14.04%	11.95%	11.76%	11.51%	15.93%	13.72%
Red Flag Computation 18	6,333,709	470,356	436,388	683,035	588,081	523,711	562,841	596,461	490,681	642,112	474,684	337,493	231,007	190,591	106,269
	2.29%	2.96%	2.48%	2.96%	2.27%	2.19%	2.11%	2.42%	2.15%	3.03%	2.09%	1.73%	1.69%	1.83%	1.30%

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Rite Aid Combination Red Flagged Prescriptions Summary
Trumbull County, OH
Red Flag Computation 1-43, in MME

	Total	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Total MME of Combination Red Flagged Prescriptions	276,030,282	15,875,874	17,571,966	23,085,447	25,870,819	23,874,399	26,620,664	24,651,856	22,848,857	21,190,638	22,679,199	19,512,853	13,648,722	10,411,709	8,187,282
Total MME of Combination Red Flagged Opioid Prescriptions	276,030,282	15,875,874	17,571,966	23,085,447	25,870,819	23,874,399	26,620,664	24,651,856	22,848,857	21,190,638	22,679,199	19,512,853	13,648,722	10,411,709	8,187,282
Red Flag Computation 19	3,027,379	182,167	144,787	271,188	276,872	315,343	364,527	269,696	234,877	312,266	209,028	204,858	109,468	104,201	28,103
	1.10%	1.15%	0.82%	1.17%	1.07%	1.32%	1.37%	1.09%	1.03%	1.47%	0.92%	1.05%	0.80%	1.00%	0.34%
Red Flag Computation 20	9,826,777	765,015	647,591	1,066,301	1,056,176	1,259,326	1,196,947	913,748	647,355	670,227	458,591	524,330	252,286	245,012	123,872
	3.56%	4.82%	3.69%	4.62%	4.08%	5.27%	4.50%	3.71%	2.83%	3.16%	2.02%	2.69%	1.85%	2.35%	1.51%
Red Flag Computation 21	6,875,821	536,712	350,343	736,866	599,037	564,414	690,277	767,159	663,631	658,584	374,483	415,453	237,377	201,140	80,346
	2.49%	3.38%	1.99%	3.19%	2.32%	2.36%	2.59%	3.11%	2.90%	3.11%	1.65%	2.13%	1.74%	1.93%	0.98%
Red Flag Computation 22	391,683	36,934	11,525	28,680	73,100	27,215	11,803	30,688	56,905	56,871	23,925	4,860	250	14,603	14,325
	0.14%	0.23%	0.07%	0.12%	0.28%	0.11%	0.04%	0.12%	0.25%	0.27%	0.11%	0.02%	0.00%	0.14%	0.17%
Red Flag Computation 23	989,365	28,969	32,340	40,018	135,975	58,520	49,219	63,509	215,285	176,484	108,685	3,630	150	30,308	46,275
	0.36%	0.18%	0.18%	0.17%	0.53%	0.25%	0.18%	0.26%	0.94%	0.83%	0.48%	0.02%	0.00%	0.29%	0.57%
Red Flag Computation 24	38,713,264	2,379,348	1,628,474	2,221,616	2,792,621	2,608,759	2,615,373	4,072,602	4,499,581	4,481,262	5,148,214	3,016,633	1,442,364	1,067,244	739,176
	14.03%	14.99%	9.27%	9.62%	10.79%	10.93%	9.82%	16.52%	19.69%	21.15%	22.70%	15.46%	10.57%	10.25%	9.03%
Red Flag Computation 25	24,316,660	258,235	240,540	598,858	2,217,730	2,895,770	3,343,783	2,299,460	1,911,825	1,823,330	2,107,168	1,999,023	1,740,165	1,522,870	1,357,905
	8.81%	1.63%	1.37%	2.59%	8.57%	12.13%	12.56%	9.33%	8.37%	8.60%	9.29%	10.24%	12.75%	14.63%	16.59%
Red Flag Computation 26	11,581,546	130,908	169,448	373,278	1,054,078	1,471,403	1,389,758	940,325	1,059,783	909,183	1,054,758	938,705	709,306	684,070	696,548
	4.20%	0.82%	0.96%	1.62%	4.07%	6.16%	5.22%	3.81%	4.64%	4.29%	4.65%	4.81%	5.20%	6.57%	8.51%
Red Flag Computation 27	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Red Flag Computation 28	646,010	10,260	0	0	450	25,200	0	6,750	9,900	72,000	62,750	126,600	124,200	129,600	78,300
	0.23%	0.06%	0.00%	0.00%	0.00%	0.11%	0.00%	0.03%	0.04%	0.34%	0.28%	0.65%	0.91%	1.24%	0.96%
Red Flag Computation 29	1,691,413	114,085	119,755	153,200	295,853	267,445	368,253	228,023	95,403	49,397	0	0	0	0	0
	0.61%	0.72%	0.68%	0.66%	1.14%	1.12%	1.38%	0.92%	0.42%	0.23%	0.00%	0.00%	0.00%	0.00%	0.00%
Red Flag Computation 30	15,846,306	1,396,471	1,513,985	1,971,547	2,174,678	2,215,757	2,125,269	1,702,694	889,355	626,977	400,712	245,028	249,956	241,143	92,736
	5.74%	8.80%	8.62%	8.54%	8.41%	9.28%	7.98%	6.91%	3.89%	2.96%	1.77%	1.26%	1.83%	2.32%	1.13%
Red Flag Computation 31	29,590,429	829,353	1,794,775	1,891,724	2,641,823	2,643,498	4,869,061	3,503,730	2,475,783	1,899,851	2,091,975	2,066,390	1,481,363	802,335	598,771
	10.72%	5.22%	10.21%	8.19%	10.21%	11.07%	18.29%	14.21%	10.84%	8.97%	9.22%	10.59%	10.85%	7.71%	7.31%
Red Flag Computation 32	916,686	0	0	0	352,305	94,335	153,190	97,303	88,193	21,150	60,600	28,800	18,110	0	2,700
	0.33%	0.00%	0.00%	0.00%	1.36%	0.40%	0.58%	0.39%	0.39%	0.10%	0.27%	0.15%	0.13%	0.00%	0.03%
Red Flag Computation 33	24,297,528	1,615,304	1,462,198	2,137,415	2,606,388	2,561,693	2,933,433	2,599,115	1,721,741	1,546,190	2,009,652	1,906,105	713,220	319,624	165,453
	8.80%	10.17%	8.32%	9.26%	10.07%	10.73%	11.02%	10.54%	7.54%	7.30%	8.86%	9.77%	5.23%	3.07%	2.02%
Red Flag Computation 34	5,270,407	0	0	0	244,725	387,690	893,267	1,001,262	773,433	479,626	514,141	445,370	342,964	115,502	72,428
	1.91%	0.00%	0.00%	0.00%	0.95%	1.62%	3.36%	4.06%	3.38%	2.26%	2.27%	2.28%	2.51%	1.11%	0.88%
Red Flag Computation 35	50,897,150	3,567,897	3,246,908	4,347,770	5,141,110	4,368,768	3,535,133	2,834,735	3,042,941	4,512,797	5,865,707	4,767,370	2,986,374	1,501,027	1,178,614
	18.44%	22.47%	18.48%	18.83%	19.87%	18.30%	13.28%	11.50%	13.32%	21.30%	25.86%	24.43%	21.88%	14.42%	14.40%
Red Flag Computation 36	27,276,616	1,287,236	1,872,750	4,428,600	3,456,215	3,036,013	2,920,298	2,673,859	1,879,840	1,406,878	1,278,950	979,473	761,577	824,927	470,002
	9.88%	8.11%	10.66%	19.18%	13.36%	12.72%	10.97%	10.85%	8.23%	6.64%	5.64%	5.02%	5.58%	7.92%	5.74%

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Rite Aid Combination Red Flagged Prescriptions Summary
Trumbull County, OH
Red Flag Computation 1-43, in MME

	Total	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Total MME of Combination Red Flagged Prescriptions	276,030,282	15,875,874	17,571,966	23,085,447	25,870,819	23,874,399	26,620,664	24,651,856	22,848,857	21,190,638	22,679,199	19,512,853	13,648,722	10,411,709	8,187,282
Total MME of Combination Red Flagged Opioid Prescriptions	276,030,282	15,875,874	17,571,966	23,085,447	25,870,819	23,874,399	26,620,664	24,651,856	22,848,857	21,190,638	22,679,199	19,512,853	13,648,722	10,411,709	8,187,282
Red Flag Computation 37	119,505	0	900	1,380	7,200	5,040	9,900	20,400	0	0	0	11,700	21,600	21,585	19,800
	0.04%	0.00%	0.01%	0.01%	0.03%	0.02%	0.04%	0.08%	0.00%	0.00%	0.00%	0.06%	0.16%	0.21%	0.24%
Red Flag Computation 38	104,266,173	5,987,550	7,230,515	8,366,232	9,764,870	8,627,392	9,115,228	8,912,368	8,636,576	7,854,759	8,120,543	7,220,694	5,698,007	4,950,210	3,781,229
	37.77%	37.71%	41.15%	36.24%	37.74%	36.14%	34.24%	36.15%	37.80%	37.07%	35.81%	37.00%	41.75%	47.54%	46.18%
Red Flag Computation 39	7,849,464	340,900	719,478	1,007,120	1,031,428	741,225	774,853	740,070	691,313	653,155	298,006	300,853	182,865	184,210	183,990
	2.84%	2.15%	4.09%	4.36%	3.99%	3.10%	2.91%	3.00%	3.03%	3.08%	1.31%	1.54%	1.34%	1.77%	2.25%
Red Flag Computation 40	21,286,007	1,498,223	1,753,241	2,814,542	2,281,975	1,072,552	3,003,437	2,077,477	1,538,487	1,493,995	1,918,912	1,121,099	178,495	239,874	293,701
	7.71%	9.44%	9.98%	12.19%	8.82%	4.49%	11.28%	8.43%	6.73%	7.05%	8.46%	5.75%	1.31%	2.30%	3.59%
Red Flag Computation 41	56,776,133	3,470,867	4,325,171	4,704,312	5,831,418	4,776,304	5,197,060	4,695,753	3,978,073	3,867,490	4,119,583	3,787,499	3,111,085	2,656,452	2,255,067
	20.57%	21.86%	24.61%	20.38%	22.54%	20.01%	19.52%	19.05%	17.41%	18.25%	18.16%	19.41%	22.79%	25.51%	27.54%
Red Flag Computation 42	18,385,891	991,464	1,390,506	1,504,135	1,985,732	1,518,533	2,057,681	2,067,739	1,500,513	1,563,562	1,206,844	1,106,915	796,133	375,878	320,258
	6.66%	6.25%	7.91%	6.52%	7.68%	6.36%	7.73%	8.39%	6.57%	7.38%	5.32%	5.67%	5.83%	3.61%	3.91%
Red Flag Computation 43	182,645	0	0	0	83,700	1,500	53,585	31,513	12,010	338	0	0	0	0	0
	0.07%	0.00%	0.00%	0.00%	0.32%	0.01%	0.20%	0.13%	0.05%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Flagged for Any of the Red Flag Computation 1-43	276,030,282	15,875,874	17,571,966	23,085,447	25,870,819	23,874,399	26,620,664	24,651,856	22,848,857	21,190,638	22,679,199	19,512,853	13,648,722	10,411,709	8,187,282
	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%

Notes

Defendant	Date Range
CVS	January 1, 2006 to November 29, 2019
Giant Eagle/HBC	January 1, 2006 to December 3, 2019
Rite Aid	January 1, 2006 to November 19, 2019
Walgreens	January 3, 2006 to January 3, 2020
Wal-Mart	January 2, 2006 to April 25, 2018

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Wal-Mart Combination Red Flagged Prescriptions Summary
Lake County and Trumbull County, OH
Red Flag Computation 1-43, in # of Prescriptions

	Total	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Total # of Combination Red Flagged Prescriptions	49,243	2,420	3,486	3,682	4,349	5,405	5,958	4,455	3,992	3,606	4,095	4,010	3,096	689	0
Total # of Combination Red Flagged Opioid Prescriptions	37,379	1,757	2,559	2,831	3,387	4,252	4,777	3,412	3,030	2,692	2,960	2,874	2,313	535	0
Red Flag Computation 1	2,409	62	125	179	170	205	246	253	250	211	251	241	173	43	0
	6.44%	3.53%	4.88%	6.32%	5.02%	4.82%	5.15%	7.42%	8.25%	7.84%	8.48%	8.39%	7.48%	8.04%	
Red Flag Computation 2	12,310	389	656	709	1,023	1,640	2,147	1,190	798	898	997	901	772	190	0
	32.93%	22.14%	25.64%	25.04%	30.20%	38.57%	44.94%	34.88%	26.34%	33.36%	33.68%	31.35%	33.38%	35.51%	
Red Flag Computation 3	5,229	282	376	437	446	597	561	476	447	393	479	397	265	73	0
	13.99%	16.05%	14.69%	15.44%	13.17%	14.04%	11.74%	13.95%	14.75%	14.60%	16.18%	13.81%	11.46%	13.64%	
Red Flag Computation 4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	
Red Flag Computation 5	7,735	439	681	647	847	984	868	779	539	505	563	518	305	60	0
	15.71%	18.14%	19.54%	17.57%	19.48%	18.21%	14.57%	17.49%	13.50%	14.00%	13.75%	12.92%	9.85%	8.71%	
Red Flag Computation 6	2,467	172	239	250	287	265	285	288	118	173	166	145	67	12	0
	5.01%	7.11%	6.86%	6.79%	6.60%	4.90%	4.78%	6.46%	2.96%	4.80%	4.05%	3.62%	2.16%	1.74%	
Red Flag Computation 7	26,427	1,332	1,884	1,825	2,180	2,663	2,624	2,254	2,260	2,063	2,585	2,565	1,824	368	0
	53.67%	55.04%	54.04%	49.57%	50.13%	49.27%	44.04%	50.59%	56.61%	57.21%	63.13%	63.97%	58.91%	53.41%	
Red Flag Computation 8	18,646	999	1,382	1,253	1,371	1,680	1,722	1,538	1,627	1,529	1,958	1,919	1,398	270	0
	37.87%	41.28%	39.64%	34.03%	31.52%	31.08%	28.90%	34.52%	40.76%	42.40%	47.81%	47.86%	45.16%	39.19%	
Red Flag Computation 9	1,981	62	118	122	200	304	402	166	108	115	144	160	74	6	0
	5.30%	3.53%	4.61%	4.31%	5.90%	7.15%	8.42%	4.87%	3.56%	4.27%	4.86%	5.57%	3.20%	1.12%	
Red Flag Computation 10	1,012	64	34	43	80	135	169	120	89	83	108	67	17	3	0
	2.71%	3.64%	1.33%	1.52%	2.36%	3.17%	3.54%	3.52%	2.94%	3.08%	3.65%	2.33%	0.73%	0.56%	
Red Flag Computation 11	1,012	64	34	43	80	135	169	120	89	83	108	67	17	3	0
	2.71%	3.64%	1.33%	1.52%	2.36%	3.17%	3.54%	3.52%	2.94%	3.08%	3.65%	2.33%	0.73%	0.56%	
Red Flag Computation 12	1,360	17	9	51	131	107	180	160	133	94	117	209	139	13	0
	3.64%	0.97%	0.35%	1.80%	3.87%	2.52%	3.77%	4.69%	4.39%	3.49%	3.95%	7.27%	6.01%	2.43%	
Red Flag Computation 13	2,343	86	94	193	284	312	447	430	169	36	69	132	73	18	0
	6.27%	4.89%	3.67%	6.82%	8.39%	7.34%	9.36%	12.60%	5.58%	1.34%	2.33%	4.59%	3.16%	3.36%	
Red Flag Computation 14	544	55	103	89	113	18	53	43	56	14	0	0	0	0	0
	1.46%	3.13%	4.03%	3.14%	3.34%	0.42%	1.11%	1.26%	1.85%	0.52%	0.00%	0.00%	0.00%	0.00%	
Red Flag Computation 15	12,094	476	848	1,013	1,212	1,428	1,450	998	1,114	958	946	834	674	143	0
	32.36%	27.09%	33.14%	35.78%	35.78%	33.58%	30.35%	29.25%	36.77%	35.59%	31.96%	29.02%	29.14%	26.73%	
Red Flag Computation 16	6,852	582	824	900	1,007	1,041	970	458	315	202	196	161	143	53	0
	18.33%	33.12%	32.20%	31.79%	29.73%	24.48%	20.31%	13.42%	10.40%	7.50%	6.62%	5.60%	6.18%	9.91%	
Red Flag Computation 17	8,724	240	457	545	744	1,124	1,248	700	566	723	805	762	661	149	0
	17.72%	9.92%	13.11%	14.80%	17.11%	20.80%	20.95%	15.71%	14.18%	20.05%	19.66%	19.00%	21.35%	21.63%	
Red Flag Computation 18	3,204	109	211	218	274	471	464	327	211	222	287	200	169	41	0
	8.57%	6.20%	8.25%	7.70%	8.09%	11.08%	9.71%	9.58%	6.96%	8.25%	9.70%	6.96%	7.31%	7.66%	

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Wal-Mart Combination Red Flagged Prescriptions Summary
Lake County and Trumbull County, OH
Red Flag Computation 1-43, in # of Prescriptions

	Total	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Total # of Combination Red Flagged Prescriptions	49,243	2,420	3,486	3,682	4,349	5,405	5,958	4,455	3,992	3,606	4,095	4,010	3,096	689	0
Total # of Combination Red Flagged Opioid Prescriptions	37,379	1,757	2,559	2,831	3,387	4,252	4,777	3,412	3,030	2,692	2,960	2,874	2,313	535	0
Red Flag Computation 19	1,193	33	91	76	91	193	164	112	82	86	107	84	59	15	0
	3.19%	1.88%	3.56%	2.68%	2.69%	4.54%	3.43%	3.28%	2.71%	3.19%	3.61%	2.92%	2.55%	2.80%	
Red Flag Computation 20	2,604	115	198	204	255	342	309	228	230	182	217	164	120	40	0
	6.97%	6.55%	7.74%	7.21%	7.53%	8.04%	6.47%	6.68%	7.59%	6.76%	7.33%	5.71%	5.19%	7.48%	
Red Flag Computation 21	1,976	86	170	147	191	314	261	185	183	82	137	118	73	29	0
	5.29%	4.89%	6.64%	5.19%	5.64%	7.38%	5.46%	5.42%	6.04%	3.05%	4.63%	4.11%	3.16%	5.42%	
Red Flag Computation 22	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	
Red Flag Computation 23	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	
Red Flag Computation 24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	
Red Flag Computation 25	1,121	17	9	51	131	107	180	160	104	58	62	142	93	7	0
	3.00%	0.97%	0.35%	1.80%	3.87%	2.52%	3.77%	4.69%	3.43%	2.15%	2.09%	4.94%	4.02%	1.31%	
Red Flag Computation 26	2,318	86	94	193	284	312	447	430	168	31	62	127	68	16	0
	6.20%	4.89%	3.67%	6.82%	8.39%	7.34%	9.36%	12.60%	5.54%	1.15%	2.09%	4.42%	2.94%	2.99%	
Red Flag Computation 27	8	0	0	0	0	0	8	0	0	0	0	0	0	0	0
	0.02%	0.00%	0.00%	0.00%	0.00%	0.00%	0.17%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	
Red Flag Computation 28	39	0	0	0	0	0	10	8	11	8	2	0	0	0	0
	0.10%	0.00%	0.00%	0.00%	0.00%	0.00%	0.21%	0.23%	0.36%	0.30%	0.07%	0.00%	0.00%	0.00%	
Red Flag Computation 29	443	45	88	75	89	13	41	36	43	13	0	0	0	0	0
	1.19%	2.56%	3.44%	2.65%	2.63%	0.31%	0.86%	1.06%	1.42%	0.48%	0.00%	0.00%	0.00%	0.00%	
Red Flag Computation 30	2,845	188	300	328	361	293	305	234	288	188	145	106	78	31	0
	7.61%	10.70%	11.72%	11.59%	10.66%	6.89%	6.38%	6.86%	9.50%	6.98%	4.90%	3.69%	3.37%	5.79%	
Red Flag Computation 31	2,634	75	147	224	233	218	352	229	290	204	184	218	196	64	0
	7.05%	4.27%	5.74%	7.91%	6.88%	5.13%	7.37%	6.71%	9.57%	7.58%	6.22%	7.59%	8.47%	11.96%	
Red Flag Computation 32	708	79	78	129	160	109	73	34	20	11	2	10	2	1	0
	1.89%	4.50%	3.05%	4.56%	4.72%	2.56%	1.53%	1.00%	0.66%	0.41%	0.07%	0.35%	0.09%	0.19%	
Red Flag Computation 33	747	25	47	41	83	173	62	34	63	113	27	21	50	8	0
	2.00%	1.42%	1.84%	1.45%	2.45%	4.07%	1.30%	1.00%	2.08%	4.20%	0.91%	0.73%	2.16%	1.50%	
Red Flag Computation 34	691	0	0	5	14	15	33	38	85	58	157	141	118	27	0
	1.85%	0.00%	0.00%	0.18%	0.41%	0.35%	0.69%	1.11%	2.81%	2.15%	5.30%	4.91%	5.10%	5.05%	
Red Flag Computation 35	3,724	197	325	388	437	492	379	218	288	307	226	185	241	41	0
	9.96%	11.21%	12.70%	13.71%	12.90%	11.57%	7.93%	6.39%	9.50%	11.40%	7.64%	6.44%	10.42%	7.66%	
Red Flag Computation 36	3,463	83	149	110	225	535	1,065	400	155	197	184	188	146	26	0
	9.26%	4.72%	5.82%	3.89%	6.64%	12.58%	22.29%	11.72%	5.12%	7.32%	6.22%	6.54%	6.31%	4.86%	

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Wal-Mart Combination Red Flagged Prescriptions Summary
Lake County and Trumbull County, OH
Red Flag Computation 1-43, in # of Prescriptions

	Total	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Total # of Combination Red Flagged Prescriptions	49,243	2,420	3,486	3,682	4,349	5,405	5,958	4,455	3,992	3,606	4,095	4,010	3,096	689	0
Total # of Combination Red Flagged Opioid Prescriptions	37,379	1,757	2,559	2,831	3,387	4,252	4,777	3,412	3,030	2,692	2,960	2,874	2,313	535	0
Red Flag Computation 37	611	47	47	90	93	98	86	52	40	24	16	18	0	0	0
	1.63%	2.68%	1.84%	3.18%	2.75%	2.30%	1.80%	1.52%	1.32%	0.89%	0.54%	0.63%	0.00%	0.00%	
Red Flag Computation 38	25,052	1,432	2,055	1,889	2,057	2,480	2,510	2,127	2,048	1,890	2,285	2,305	1,644	330	0
	50.87%	59.17%	58.95%	51.30%	47.30%	45.88%	42.13%	47.74%	51.30%	52.41%	55.80%	57.48%	53.10%	47.90%	
Red Flag Computation 39	2,454	172	239	250	287	265	285	288	114	170	164	143	67	10	0
	4.98%	7.11%	6.86%	6.79%	6.60%	4.90%	4.78%	6.46%	2.86%	4.71%	4.00%	3.57%	2.16%	1.45%	
Red Flag Computation 40	818	19	46	27	112	178	88	80	53	76	77	56	5	1	0
	2.19%	1.08%	1.80%	0.95%	3.31%	4.19%	1.84%	2.34%	1.75%	2.82%	2.60%	1.95%	0.22%	0.19%	
Red Flag Computation 41	9,137	572	969	746	743	912	996	829	774	523	720	684	570	99	0
	18.55%	23.64%	27.80%	20.26%	17.08%	16.87%	16.72%	18.61%	19.39%	14.50%	17.58%	17.06%	18.41%	14.37%	
Red Flag Computation 42	3,542	261	405	344	462	475	338	409	233	128	188	171	113	15	0
	7.19%	10.79%	11.62%	9.34%	10.62%	8.79%	5.67%	9.18%	5.84%	3.55%	4.59%	4.26%	3.65%	2.18%	
Red Flag Computation 43	476	56	69	62	77	83	78	47	1	3	0	0	0	0	0
	0.97%	2.31%	1.98%	1.68%	1.77%	1.54%	1.31%	1.05%	0.03%	0.08%	0.00%	0.00%	0.00%	0.00%	
Flagged for Any of the Red Flag Computation 1-43	49,243	2,420	3,486	3,682	4,349	5,405	5,958	4,455	3,992	3,606	4,095	4,010	3,096	689	0
	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	

Notes

Defendant	Date Range
CVS	January 1, 2006 to November 29, 2019
Giant Eagle/HBC	January 1, 2006 to December 3, 2019
Rite Aid	January 1, 2006 to November 19, 2019
Walgreens	January 3, 2006 to January 3, 2020
Wal-Mart	January 2, 2006 to April 25, 2018

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Wal-Mart Combination Red Flagged Prescriptions Summary
Lake County and Trumbull County, OH
Red Flag Computation 1-43, in Dosage Units

	Total	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Total Dosage Units of Combination Red Flagged Prescriptions	3,841,808	193,335	270,139	285,120	336,256	413,785	463,911	345,528	326,956	279,203	320,295	313,575	242,092	51,613	0
Total Dosage Units of Combination Red Flagged Opioid Prescriptions	3,095,143	148,432	205,008	230,593	278,260	344,160	392,267	281,721	266,289	224,058	248,076	241,567	192,184	42,528	0
Red Flag Computation 1	195,733	3,580	7,893	14,184	13,881	16,184	20,532	20,575	23,233	17,901	20,297	18,737	14,709	4,027	0
	6.32%	2.41%	3.85%	6.15%	4.99%	4.70%	5.23%	7.30%	8.72%	7.99%	8.18%	7.76%	7.65%	9.47%	
Red Flag Computation 2	883,446	22,779	43,349	49,254	72,801	119,695	164,874	86,962	66,386	63,482	67,330	61,029	52,327	13,178	0
	28.54%	15.35%	21.15%	21.36%	26.16%	34.78%	42.03%	30.87%	24.93%	28.33%	27.14%	25.26%	27.23%	30.99%	
Red Flag Computation 3	371,414	20,062	25,211	29,706	31,949	44,469	39,155	32,695	33,118	27,582	35,293	29,200	18,271	4,703	0
	12.00%	13.52%	12.30%	12.88%	11.48%	12.92%	9.98%	11.61%	12.44%	12.31%	14.23%	12.09%	9.51%	11.06%	
Red Flag Computation 4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	
Red Flag Computation 5	638,284	38,000	60,911	53,155	66,971	71,604	69,629	62,648	45,351	43,976	48,632	43,932	28,053	5,422	0
	16.61%	19.66%	22.55%	18.64%	19.92%	17.30%	15.01%	18.13%	13.87%	15.75%	15.18%	14.01%	11.59%	10.51%	
Red Flag Computation 6	197,681	14,139	20,857	20,801	22,844	19,234	20,855	22,591	9,317	13,447	13,356	13,850	5,520	870	0
	5.15%	7.31%	7.72%	7.30%	6.79%	4.65%	4.50%	6.54%	2.85%	4.82%	4.17%	4.42%	2.28%	1.69%	
Red Flag Computation 7	2,029,599	105,200	146,759	136,558	155,787	189,862	197,315	174,653	178,025	159,563	207,661	204,890	145,782	27,544	0
	52.83%	54.41%	54.33%	47.89%	46.33%	45.88%	42.53%	50.55%	54.45%	57.15%	64.83%	65.34%	60.22%	53.37%	
Red Flag Computation 8	1,418,171	77,216	106,190	91,325	93,387	117,939	123,005	117,288	129,024	117,458	157,145	154,331	114,129	19,734	0
	36.91%	39.94%	39.31%	32.03%	27.77%	28.50%	26.51%	33.94%	39.46%	42.07%	49.06%	49.22%	47.14%	38.23%	
Red Flag Computation 9	187,701	7,050	11,578	10,654	19,575	30,715	40,462	17,610	11,042	7,941	10,203	13,772	6,739	360	0
	6.06%	4.75%	5.65%	4.62%	7.03%	8.92%	10.31%	6.25%	4.15%	3.54%	4.11%	5.70%	3.51%	0.85%	
Red Flag Computation 10	111,989	9,594	2,963	2,298	6,037	14,952	23,769	14,279	9,994	7,419	11,602	7,818	942	322	0
	3.62%	6.46%	1.45%	1.00%	2.17%	4.34%	6.06%	5.07%	3.75%	3.31%	4.68%	3.24%	0.49%	0.76%	
Red Flag Computation 11	111,989	9,594	2,963	2,298	6,037	14,952	23,769	14,279	9,994	7,419	11,602	7,818	942	322	0
	3.62%	6.46%	1.45%	1.00%	2.17%	4.34%	6.06%	5.07%	3.75%	3.31%	4.68%	3.24%	0.49%	0.76%	
Red Flag Computation 12	166,432	1,104	1,652	5,952	19,966	15,802	17,740	16,002	17,300	14,697	15,650	22,955	16,180	1,432	0
	5.38%	0.74%	0.81%	2.58%	7.18%	4.59%	4.52%	5.68%	6.50%	6.56%	6.31%	9.50%	8.42%	3.37%	
Red Flag Computation 13	253,217	8,479	10,137	22,995	37,995	38,973	38,635	39,293	16,684	6,206	8,821	14,735	8,144	2,120	0
	8.18%	5.71%	4.94%	9.97%	13.65%	11.32%	9.85%	13.95%	6.27%	2.77%	3.56%	6.10%	4.24%	4.98%	
Red Flag Computation 14	57,159	5,534	11,500	9,334	11,093	2,210	5,521	4,255	6,022	1,690	0	0	0	0	0
	1.85%	3.73%	5.61%	4.05%	3.99%	0.64%	1.41%	1.51%	2.26%	0.75%	0.00%	0.00%	0.00%	0.00%	
Red Flag Computation 15	1,149,381	48,777	79,796	93,738	117,909	136,516	150,103	101,673	106,540	85,294	86,704	72,253	57,963	12,115	0
	37.13%	32.86%	38.92%	40.65%	42.37%	39.67%	38.27%	36.09%	40.01%	38.07%	34.95%	29.91%	30.16%	28.49%	
Red Flag Computation 16	497,414	51,957	63,747	71,255	83,212	77,087	67,083	26,308	16,634	9,691	10,500	8,400	8,112	3,428	0
	16.07%	35.00%	31.09%	30.90%	29.90%	22.40%	17.10%	9.34%	6.25%	4.33%	4.23%	3.48%	4.22%	8.06%	
Red Flag Computation 17	635,451	13,367	30,451	38,354	51,740	82,673	97,215	53,413	47,367	51,466	57,532	53,731	46,829	11,313	0
	16.54%	6.91%	11.27%	13.45%	15.39%	19.98%	20.96%	15.46%	14.49%	18.43%	17.96%	17.13%	19.34%	21.92%	
Red Flag Computation 18	166,930	5,529	11,413	12,662	14,758	25,572	23,446	16,750	10,383	11,428	15,024	9,521	8,520	1,924	0
	5.39%	3.72%	5.57%	5.49%	5.30%	7.43%	5.98%	5.95%	3.90%	5.10%	6.06%	3.94%	4.43%	4.52%	

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Wal-Mart Combination Red Flagged Prescriptions Summary
Lake County and Trumbull County, OH
Red Flag Computation 1-43, in Dosage Units

	Total	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Total Dosage Units of Combination Red Flagged Prescriptions	3,841,808	193,335	270,139	285,120	336,256	413,785	463,911	345,528	326,956	279,203	320,295	313,575	242,092	51,613	0
Total Dosage Units of Combination Red Flagged Opioid Prescriptions	3,095,143	148,432	205,008	230,593	278,260	344,160	392,267	281,721	266,289	224,058	248,076	241,567	192,184	42,528	0
Red Flag Computation 19	66,303	1,388	4,902	4,484	5,287	11,303	9,463	5,370	4,170	5,335	6,592	4,117	3,015	877	0
	2.14%	0.94%	2.39%	1.94%	1.90%	3.28%	2.41%	1.91%	1.57%	2.38%	2.66%	1.70%	1.57%	2.06%	
Red Flag Computation 20	144,242	5,462	9,852	12,139	13,814	19,756	18,047	12,151	11,882	11,096	12,722	8,929	6,308	2,084	0
	4.66%	3.68%	4.81%	5.26%	4.96%	5.74%	4.60%	4.31%	4.46%	4.95%	5.13%	3.70%	3.28%	4.90%	
Red Flag Computation 21	109,978	4,067	8,927	8,293	10,988	18,299	14,146	10,616	9,725	4,708	8,445	6,270	3,864	1,630	0
	3.55%	2.74%	4.35%	3.60%	3.95%	5.32%	3.61%	3.77%	3.65%	2.10%	3.40%	2.60%	2.01%	3.83%	
Red Flag Computation 22	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	
Red Flag Computation 23	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	
Red Flag Computation 24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	
Red Flag Computation 25	134,619	1,104	1,652	5,952	19,966	15,802	17,740	16,002	12,526	9,028	8,117	15,395	10,623	712	0
	4.35%	0.74%	0.81%	2.58%	7.18%	4.59%	4.52%	5.68%	4.70%	4.03%	3.27%	6.37%	5.53%	1.67%	
Red Flag Computation 26	250,367	8,479	10,137	22,995	37,995	38,973	38,635	39,293	16,564	5,534	7,983	14,285	7,614	1,880	0
	8.09%	5.71%	4.94%	9.97%	13.65%	11.32%	9.85%	13.95%	6.22%	2.47%	3.22%	5.91%	3.96%	4.42%	
Red Flag Computation 27	960	0	0	0	0	0	960	0	0	0	0	0	0	0	0
	0.03%	0.00%	0.00%	0.00%	0.00%	0.00%	0.24%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	
Red Flag Computation 28	4,698	0	0	0	0	0	1,200	960	1,368	960	210	0	0	0	0
	0.15%	0.00%	0.00%	0.00%	0.00%	0.00%	0.31%	0.34%	0.51%	0.43%	0.08%	0.00%	0.00%	0.00%	
Red Flag Computation 29	46,964	4,399	9,820	8,044	8,833	1,660	4,291	3,795	4,552	1,570	0	0	0	0	0
	1.52%	2.96%	4.79%	3.49%	3.17%	0.48%	1.09%	1.35%	1.71%	0.70%	0.00%	0.00%	0.00%	0.00%	
Red Flag Computation 30	261,778	18,120	26,762	29,068	35,073	29,352	29,580	20,788	27,236	17,703	12,328	7,779	6,086	1,903	0
	8.46%	12.21%	13.05%	12.61%	12.60%	8.53%	7.54%	7.38%	10.23%	7.90%	4.97%	3.22%	3.17%	4.47%	
Red Flag Computation 31	320,151	7,495	19,209	23,613	27,994	32,951	48,619	29,357	33,522	29,076	20,587	19,998	21,131	6,599	0
	10.34%	5.05%	9.37%	10.24%	10.06%	9.57%	12.39%	10.42%	12.59%	12.98%	8.30%	8.28%	11.00%	15.52%	
Red Flag Computation 32	75,097	9,256	7,835	14,589	18,538	11,388	6,532	3,825	1,390	324	390	1,030	0	0	0
	2.43%	6.24%	3.82%	6.33%	6.66%	3.31%	1.67%	1.36%	0.52%	0.14%	0.16%	0.43%	0.00%	0.00%	
Red Flag Computation 33	38,745	1,658	3,303	2,358	4,291	6,287	3,947	2,482	3,841	4,381	1,716	1,491	2,576	414	0
	1.25%	1.12%	1.61%	1.02%	1.54%	1.83%	1.01%	0.88%	1.44%	1.96%	0.69%	0.62%	1.34%	0.97%	
Red Flag Computation 34	65,462	0	0	700	1,387	1,491	3,261	4,159	9,250	5,865	13,728	12,362	10,612	2,647	0
	2.11%	0.00%	0.00%	0.30%	0.50%	0.43%	0.83%	1.48%	3.47%	2.62%	5.53%	5.12%	5.52%	6.22%	
Red Flag Computation 35	255,940	19,371	22,235	32,173	32,434	30,585	28,688	15,561	19,741	15,415	13,808	10,697	12,939	2,293	0
	8.27%	13.05%	10.85%	13.95%	11.66%	8.89%	7.31%	5.52%	7.41%	6.88%	5.57%	4.43%	6.73%	5.39%	
Red Flag Computation 36	257,738	6,073	11,101	7,048	16,907	40,914	88,279	30,644	16,077	12,859	8,128	9,842	8,519	1,347	0
	8.33%	4.09%	5.41%	3.06%	6.08%	11.89%	22.50%	10.88%	6.04%	5.74%	3.28%	4.07%	4.43%	3.17%	

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Wal-Mart Combination Red Flagged Prescriptions Summary
Lake County and Trumbull County, OH
Red Flag Computation 1-43, in Dosage Units

	Total	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Total Dosage Units of Combination Red Flagged Prescriptions	3,841,808	193,335	270,139	285,120	336,256	413,785	463,911	345,528	326,956	279,203	320,295	313,575	242,092	51,613	0
Total Dosage Units of Combination Red Flagged Opioid Prescriptions	3,095,143	148,432	205,008	230,593	278,260	344,160	392,267	281,721	266,289	224,058	248,076	241,567	192,184	42,528	0
Red Flag Computation 37	64,291	4,480	4,630	10,240	10,930	9,520	8,090	5,091	4,500	2,610	2,190	2,010	0	0	0
	2.08%	3.02%	2.26%	4.44%	3.93%	2.77%	2.06%	1.81%	1.69%	1.16%	0.88%	0.83%	0.00%	0.00%	
Red Flag Computation 38	1,935,789	117,599	164,899	141,545	147,788	179,632	183,345	164,953	165,444	145,523	182,673	184,419	133,457	24,512	0
	50.39%	60.83%	61.04%	49.64%	43.95%	43.41%	39.52%	47.74%	50.60%	52.12%	57.03%	58.81%	55.13%	47.49%	
Red Flag Computation 39	196,399	14,139	20,857	20,801	22,844	19,234	20,855	22,591	8,807	13,265	13,116	13,710	5,520	660	0
	5.11%	7.31%	7.72%	7.30%	6.79%	4.65%	4.50%	6.54%	2.69%	4.75%	4.09%	4.37%	2.28%	1.28%	
Red Flag Computation 40	63,468	1,226	4,922	2,055	7,268	6,376	6,706	9,287	7,092	6,874	7,134	3,933	588	7	0
	2.05%	0.83%	2.40%	0.89%	2.61%	1.85%	1.71%	3.30%	2.66%	3.07%	2.88%	1.63%	0.31%	0.02%	
Red Flag Computation 41	794,239	52,946	85,506	61,946	59,773	75,671	83,661	75,044	69,231	46,862	62,394	60,947	51,587	8,671	0
	20.67%	27.39%	31.65%	21.73%	17.78%	18.29%	18.03%	21.72%	21.17%	16.78%	19.48%	19.44%	21.31%	16.80%	
Red Flag Computation 42	249,662	19,608	29,164	23,405	32,500	30,873	24,876	29,913	16,320	7,783	14,485	12,560	7,254	921	0
	6.50%	10.14%	10.80%	8.21%	9.67%	7.46%	5.36%	8.66%	4.99%	2.79%	4.52%	4.01%	3.00%	1.78%	
Red Flag Computation 43	33,812	4,365	4,849	3,355	6,051	6,076	5,461	3,525	12	118	0	0	0	0	0
	0.88%	2.26%	1.80%	1.18%	1.80%	1.47%	1.18%	1.02%	0.00%	0.04%	0.00%	0.00%	0.00%	0.00%	
Flagged for Any of the Red Flag Computation 1-43	3,841,808	193,335	270,139	285,120	336,256	413,785	463,911	345,528	326,956	279,203	320,295	313,575	242,092	51,613	0
	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	

Notes

Defendant	Date Range
CVS	January 1, 2006 to November 29, 2019
Giant Eagle/HBC	January 1, 2006 to December 3, 2019
Rite Aid	January 1, 2006 to November 19, 2019
Walgreens	January 3, 2006 to January 3, 2020
Wal-Mart	January 2, 2006 to April 25, 2018

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Wal-Mart Combination Red Flagged Prescriptions Summary
Lake County and Trumbull County, OH
Red Flag Computation 1-43, in MME

	Total	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Total MME of Combination Red Flagged Prescriptions	43,712,040	2,493,986	2,588,052	2,887,619	3,550,582	4,764,199	5,674,784	4,169,253	4,022,894	3,174,870	3,769,562	3,423,587	2,636,566	556,086	0
Total MME of Combination Red Flagged Opioid Prescriptions	43,712,040	2,493,986	2,588,052	2,887,619	3,550,582	4,764,199	5,674,784	4,169,253	4,022,894	3,174,870	3,769,562	3,423,587	2,636,566	556,086	0
Red Flag Computation 1	3,330,046	68,935	128,503	195,303	247,608	263,838	258,700	261,607	373,500	359,743	449,914	389,205	251,775	81,418	0
	7.62%	2.76%	4.97%	6.76%	6.97%	5.54%	4.56%	6.27%	9.28%	11.33%	11.94%	11.37%	9.55%	14.64%	
Red Flag Computation 2	13,551,714	279,762	585,187	594,207	1,026,401	1,835,759	2,653,873	1,315,507	1,007,999	1,166,964	1,198,339	947,382	754,352	185,984	0
	31.00%	11.22%	22.61%	20.58%	28.91%	38.53%	46.77%	31.55%	25.06%	36.76%	31.79%	27.67%	28.61%	33.45%	
Red Flag Computation 3	5,347,638	298,437	376,461	455,897	472,815	700,854	540,692	507,973	401,072	344,763	501,294	425,555	265,856	55,970	0
	12.23%	11.97%	14.55%	15.79%	13.32%	14.71%	9.53%	12.18%	9.97%	10.86%	13.30%	12.43%	10.08%	10.06%	
Red Flag Computation 4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	
Red Flag Computation 5	6,203,932	478,160	457,425	427,514	609,711	684,519	627,475	786,265	471,818	374,869	535,226	454,726	259,820	36,407	0
	14.19%	19.17%	17.67%	14.81%	17.17%	14.37%	11.06%	18.86%	11.73%	11.81%	14.20%	13.28%	9.85%	6.55%	
Red Flag Computation 6	1,226,354	104,603	125,190	126,643	136,968	129,846	112,085	154,138	80,115	72,255	73,545	70,768	35,100	5,100	0
	2.81%	4.19%	4.84%	4.39%	3.86%	2.73%	1.98%	3.70%	1.99%	2.28%	1.95%	2.07%	1.33%	0.92%	
Red Flag Computation 7	20,478,627	1,131,437	1,221,315	1,199,193	1,572,909	2,067,550	2,008,993	1,966,954	1,847,696	1,579,446	2,311,938	2,030,619	1,307,502	233,076	0
	46.85%	45.37%	47.19%	41.53%	44.30%	43.40%	35.40%	47.18%	45.93%	49.75%	61.33%	59.31%	49.59%	41.91%	
Red Flag Computation 8	11,259,004	611,413	739,264	690,749	694,706	930,743	907,235	962,789	1,149,951	965,235	1,399,685	1,184,468	879,073	143,698	0
	25.76%	24.52%	28.56%	23.92%	19.57%	19.54%	15.99%	23.09%	28.59%	30.40%	37.13%	34.60%	33.34%	25.84%	
Red Flag Computation 9	3,285,379	88,260	150,901	144,958	252,355	528,829	781,899	343,909	213,510	161,271	188,028	280,885	145,625	4,950	0
	7.52%	3.54%	5.83%	5.02%	7.11%	11.10%	13.78%	8.25%	5.31%	5.08%	4.99%	8.20%	5.52%	0.89%	
Red Flag Computation 10	6,883,380	857,220	223,380	310,020	464,925	724,935	1,196,380	858,355	706,795	474,240	625,470	354,690	65,850	21,120	0
	15.75%	34.37%	8.63%	10.74%	13.09%	15.22%	21.08%	20.59%	17.57%	14.94%	16.59%	10.36%	2.50%	3.80%	
Red Flag Computation 11	6,883,380	857,220	223,380	310,020	464,925	724,935	1,196,380	858,355	706,795	474,240	625,470	354,690	65,850	21,120	0
	15.75%	34.37%	8.63%	10.74%	13.09%	15.22%	21.08%	20.59%	17.57%	14.94%	16.59%	10.36%	2.50%	3.80%	
Red Flag Computation 12	1,563,254	8,700	12,390	44,773	150,098	118,830	149,585	124,978	176,600	119,558	172,148	274,975	196,340	14,280	0
	3.58%	0.35%	0.48%	1.55%	4.23%	2.49%	2.64%	3.00%	4.39%	3.77%	4.57%	8.03%	7.45%	2.57%	
Red Flag Computation 13	2,226,791	66,615	75,248	170,543	280,940	304,060	340,180	372,696	161,988	50,425	98,863	182,125	97,610	25,500	0
	5.09%	2.67%	2.91%	5.91%	7.91%	6.38%	5.99%	8.94%	4.03%	1.59%	2.62%	5.32%	3.70%	4.59%	
Red Flag Computation 14	379,758	35,365	75,955	60,640	72,093	12,325	37,648	28,748	45,535	11,450	0	0	0	0	0
	0.87%	1.42%	2.93%	2.10%	2.03%	0.26%	0.66%	0.69%	1.13%	0.36%	0.00%	0.00%	0.00%	0.00%	
Red Flag Computation 15	22,216,663	1,314,651	1,302,544	1,504,344	1,927,404	2,500,664	2,889,328	2,024,333	2,130,116	1,677,141	1,962,153	1,617,710	1,151,482	214,795	0
	50.83%	52.71%	50.33%	52.10%	54.28%	52.49%	50.92%	48.55%	52.95%	52.83%	52.05%	47.25%	43.67%	38.63%	
Red Flag Computation 16	5,426,398	556,403	589,076	684,273	731,745	848,764	825,421	356,481	219,001	129,453	192,793	147,245	100,675	45,070	0
	12.41%	22.31%	22.76%	23.70%	20.61%	17.82%	14.55%	8.55%	5.44%	4.08%	5.11%	4.30%	3.82%	8.10%	
Red Flag Computation 17	9,336,799	162,985	400,591	433,362	733,711	1,184,493	1,474,835	774,622	710,877	938,955	989,090	771,042	627,690	134,546	0
	21.36%	6.54%	15.48%	15.01%	20.66%	24.86%	25.99%	18.58%	17.67%	29.57%	26.24%	22.52%	23.81%	24.20%	
Red Flag Computation 18	2,064,010	73,762	142,507	141,514	152,408	349,758	329,361	234,703	130,203	145,848	145,934	98,251	97,834	21,929	0
	4.72%	2.96%	5.51%	4.90%	4.29%	7.34%	5.80%	5.63%	3.24%	4.59%	3.87%	2.87%	3.71%	3.94%	

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Wal-Mart Combination Red Flagged Prescriptions Summary
Lake County and Trumbull County, OH
Red Flag Computation 1-43, in MME

	Total	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Total MME of Combination Red Flagged Prescriptions	43,712,040	2,493,986	2,588,052	2,887,619	3,550,582	4,764,199	5,674,784	4,169,253	4,022,894	3,174,870	3,769,562	3,423,587	2,636,566	556,086	0
Total MME of Combination Red Flagged Opioid Prescriptions	43,712,040	2,493,986	2,588,052	2,887,619	3,550,582	4,764,199	5,674,784	4,169,253	4,022,894	3,174,870	3,769,562	3,423,587	2,636,566	556,086	0
Red Flag Computation 19	839,285	23,706	57,736	61,531	59,943	166,936	124,567	63,078	56,091	69,958	70,285	34,061	36,383	15,013	0
	1.92%	0.95%	2.23%	2.13%	1.69%	3.50%	2.20%	1.51%	1.39%	2.20%	1.86%	0.99%	1.38%	2.70%	
Red Flag Computation 20	1,805,910	87,661	143,669	164,541	181,785	279,850	210,966	145,028	136,269	131,700	150,217	85,190	62,830	26,208	0
	4.13%	3.51%	5.55%	5.70%	5.12%	5.87%	3.72%	3.48%	3.39%	4.15%	3.98%	2.49%	2.38%	4.71%	
Red Flag Computation 21	1,331,928	59,984	103,836	91,399	131,613	269,557	166,405	131,633	130,669	39,514	89,060	54,709	41,593	21,959	0
	3.05%	2.41%	4.01%	3.17%	3.71%	5.66%	2.93%	3.16%	3.25%	1.24%	2.36%	1.60%	1.58%	3.95%	
Red Flag Computation 22	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	
Red Flag Computation 23	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	
Red Flag Computation 24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	
Red Flag Computation 25	1,218,641	8,700	12,390	44,773	150,098	118,830	149,585	124,978	129,420	71,215	89,525	183,175	128,873	7,080	0
	2.79%	0.35%	0.48%	1.55%	4.23%	2.49%	2.64%	3.00%	3.22%	2.24%	2.37%	5.35%	4.89%	1.27%	
Red Flag Computation 26	2,195,891	66,615	75,248	170,543	280,940	304,060	340,180	372,696	160,188	43,735	90,478	176,275	91,235	23,700	0
	5.02%	2.67%	2.91%	5.91%	7.91%	6.38%	5.99%	8.94%	3.98%	1.38%	2.40%	5.15%	3.46%	4.26%	
Red Flag Computation 27	9,600	0	0	0	0	0	9,600	0	0	0	0	0	0	0	0
	0.02%	0.00%	0.00%	0.00%	0.00%	0.00%	0.17%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	
Red Flag Computation 28	46,620	0	0	0	0	0	12,000	9,600	13,320	9,600	2,100	0	0	0	0
	0.11%	0.00%	0.00%	0.00%	0.00%	0.00%	0.21%	0.23%	0.33%	0.30%	0.06%	0.00%	0.00%	0.00%	
Red Flag Computation 29	311,793	28,315	65,455	52,000	57,973	9,275	28,848	25,618	33,760	10,550	0	0	0	0	0
	0.71%	1.14%	2.53%	1.80%	1.63%	0.19%	0.51%	0.61%	0.84%	0.33%	0.00%	0.00%	0.00%	0.00%	
Red Flag Computation 30	3,754,571	416,079	370,181	382,058	433,390	407,002	405,021	325,657	382,558	212,793	185,957	122,278	84,155	27,445	0
	8.59%	16.68%	14.30%	13.23%	12.21%	8.54%	7.14%	7.81%	9.51%	6.70%	4.93%	3.57%	3.19%	4.94%	
Red Flag Computation 31	4,578,462	189,130	283,057	312,585	305,034	386,265	723,976	434,140	390,150	300,049	286,134	439,713	406,863	121,368	0
	10.47%	7.58%	10.94%	10.83%	8.59%	8.11%	12.76%	10.41%	9.70%	9.45%	7.59%	12.84%	15.43%	21.83%	
Red Flag Computation 32	681,953	87,496	77,589	127,060	128,120	113,925	59,030	42,343	14,005	3,710	10,800	17,500	270	105	0
	1.56%	3.51%	3.00%	4.40%	3.61%	2.39%	1.04%	1.02%	0.35%	0.12%	0.29%	0.51%	0.01%	0.02%	
Red Flag Computation 33	1,015,186	47,985	69,925	67,516	111,810	203,051	94,115	70,722	115,843	83,465	35,400	53,010	45,080	17,265	0
	2.32%	1.92%	2.70%	2.34%	3.15%	4.26%	1.66%	1.70%	2.88%	2.63%	0.94%	1.55%	1.71%	3.10%	
Red Flag Computation 34	1,097,153	0	0	10,800	22,665	22,033	85,140	65,243	200,820	113,575	227,155	166,333	146,573	36,818	0
	2.51%	0.00%	0.00%	0.37%	0.64%	0.46%	1.50%	1.56%	4.99%	3.58%	6.03%	4.86%	5.56%	6.62%	
Red Flag Computation 35	4,838,243	762,521	294,821	437,946	483,098	612,578	553,227	269,041	427,201	248,414	319,515	206,100	190,943	32,839	0
	11.07%	30.57%	11.39%	15.17%	13.61%	12.86%	9.75%	6.45%	10.62%	7.82%	8.48%	6.02%	7.24%	5.91%	
Red Flag Computation 36	4,176,098	48,165	108,785	78,761	199,428	668,593	1,635,876	454,640	239,338	257,953	173,766	162,375	133,390	15,030	0
	9.55%	1.93%	4.20%	2.73%	5.62%	14.03%	28.83%	10.90%	5.95%	8.12%	4.61%	4.74%	5.06%	2.70%	

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Wal-Mart Combination Red Flagged Prescriptions Summary
Lake County and Trumbull County, OH
Red Flag Computation 1-43, in MME

	Total	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Total MME of Combination Red Flagged Prescriptions	43,712,040	2,493,986	2,588,052	2,887,619	3,550,582	4,764,199	5,674,784	4,169,253	4,022,894	3,174,870	3,769,562	3,423,587	2,636,566	556,086	0
Total MME of Combination Red Flagged Opioid Prescriptions	43,712,040	2,493,986	2,588,052	2,887,619	3,550,582	4,764,199	5,674,784	4,169,253	4,022,894	3,174,870	3,769,562	3,423,587	2,636,566	556,086	0
Red Flag Computation 37	538,688	36,900	46,545	94,450	89,975	75,810	56,340	34,283	31,710	16,875	24,525	31,275	0	0	0
	1.23%	1.48%	1.80%	3.27%	2.53%	1.59%	0.99%	0.82%	0.79%	0.53%	0.65%	0.91%	0.00%	0.00%	
Red Flag Computation 38	16,310,322	1,030,900	1,254,460	1,175,837	1,249,452	1,532,154	1,448,754	1,491,018	1,564,653	1,243,188	1,588,287	1,467,680	1,072,768	191,172	0
	37.31%	41.34%	48.47%	40.72%	35.19%	32.16%	25.53%	35.76%	38.89%	39.16%	42.13%	42.87%	40.69%	34.38%	
Red Flag Computation 39	1,217,459	104,603	125,190	126,643	136,968	129,846	112,085	154,138	77,115	71,190	71,745	69,088	35,100	3,750	0
	2.79%	4.19%	4.84%	4.39%	3.86%	2.73%	1.98%	3.70%	1.92%	2.24%	1.90%	2.02%	1.33%	0.67%	
Red Flag Computation 40	1,804,380	32,415	71,530	53,109	194,810	195,265	160,482	333,085	197,579	194,154	216,747	132,735	22,260	210	0
	4.13%	1.30%	2.76%	1.84%	5.49%	4.10%	2.83%	7.99%	4.91%	6.12%	5.75%	3.88%	0.84%	0.04%	
Red Flag Computation 41	7,371,859	490,283	677,048	584,392	571,780	721,678	673,373	704,333	731,665	457,170	672,180	561,566	462,210	64,183	0
	16.86%	19.66%	26.16%	20.24%	16.10%	15.15%	11.87%	16.89%	18.19%	14.40%	17.83%	16.40%	17.53%	11.54%	
Red Flag Computation 42	3,013,089	206,051	227,098	213,308	301,625	382,254	311,699	448,354	158,403	113,396	325,918	234,088	85,463	5,435	0
	6.89%	8.26%	8.77%	7.39%	8.50%	8.02%	5.49%	10.75%	3.94%	3.57%	8.65%	6.84%	3.24%	0.98%	
Red Flag Computation 43	335,513	45,560	32,750	20,860	50,080	78,880	63,748	43,395	60	180	0	0	0	0	0
	0.77%	1.83%	1.27%	0.72%	1.41%	1.66%	1.12%	1.04%	0.00%	0.01%	0.00%	0.00%	0.00%	0.00%	
Flagged for Any of the Red Flag Computation 1-43	43,712,040	2,493,986	2,588,052	2,887,619	3,550,582	4,764,199	5,674,784	4,169,253	4,022,894	3,174,870	3,769,562	3,423,587	2,636,566	556,086	0
	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	

Notes

Defendant	Date Range
CVS	January 1, 2006 to November 29, 2019
Giant Eagle/HBC	January 1, 2006 to December 3, 2019
Rite Aid	January 1, 2006 to November 19, 2019
Walgreens	January 3, 2006 to January 3, 2020
Wal-Mart	January 2, 2006 to April 25, 2018

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Wal-Mart Combination Red Flagged Prescriptions Summary
Lake County, OH
Red Flag Computation 1-43, in # of Prescriptions

	Total	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Total # of Combination Red Flagged Prescriptions	33,770	1,685	2,550	2,798	3,427	3,996	4,704	3,453	2,807	2,250	2,256	1,870	1,566	408	0
Total # of Combination Red Flagged Opioid Prescriptions	26,709	1,259	1,912	2,224	2,743	3,229	3,865	2,697	2,194	1,770	1,749	1,442	1,290	335	0
Red Flag Computation 1	1,844	43	105	151	134	158	181	211	194	159	185	171	125	27	0
	6.90%	3.42%	5.49%	6.79%	4.89%	4.89%	4.68%	7.82%	8.84%	8.98%	10.58%	11.86%	9.69%	8.06%	
Red Flag Computation 2	9,116	260	536	578	808	1,181	1,721	937	579	620	674	584	523	115	0
	34.13%	20.65%	28.03%	25.99%	29.46%	36.57%	44.53%	34.74%	26.39%	35.03%	38.54%	40.50%	40.54%	34.33%	
Red Flag Computation 3	3,548	183	253	328	368	430	435	337	302	244	258	199	159	52	0
	13.28%	14.54%	13.23%	14.75%	13.42%	13.32%	11.25%	12.50%	13.76%	13.79%	14.75%	13.80%	12.33%	15.52%	
Red Flag Computation 4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	
Red Flag Computation 5	5,732	371	555	512	674	782	704	665	446	321	332	238	103	29	0
	16.97%	22.02%	21.76%	18.30%	19.67%	19.57%	14.97%	19.26%	15.89%	14.27%	14.72%	12.73%	6.58%	7.11%	
Red Flag Computation 6	1,651	148	176	189	206	172	197	261	106	93	56	35	9	3	0
	4.89%	8.78%	6.90%	6.75%	6.01%	4.30%	4.19%	7.56%	3.78%	4.13%	2.48%	1.87%	0.57%	0.74%	
Red Flag Computation 7	16,519	838	1,299	1,293	1,643	1,867	1,945	1,672	1,501	1,179	1,279	1,049	753	201	0
	48.92%	49.73%	50.94%	46.21%	47.94%	46.72%	41.35%	48.42%	53.47%	52.40%	56.69%	56.10%	48.08%	49.26%	
Red Flag Computation 8	10,502	567	893	816	939	1,074	1,167	1,083	1,008	785	844	694	500	132	0
	31.10%	33.65%	35.02%	29.16%	27.40%	26.88%	24.81%	31.36%	35.91%	34.89%	37.41%	37.11%	31.93%	32.35%	
Red Flag Computation 9	1,653	32	79	112	187	280	385	160	81	103	97	84	49	4	0
	6.19%	2.54%	4.13%	5.04%	6.82%	8.67%	9.96%	5.93%	3.69%	5.82%	5.55%	5.83%	3.80%	1.19%	
Red Flag Computation 10	905	55	28	30	73	128	157	113	63	76	104	60	16	2	0
	3.39%	4.37%	1.46%	1.35%	2.66%	3.96%	4.06%	4.19%	2.87%	4.29%	5.95%	4.16%	1.24%	0.60%	
Red Flag Computation 11	905	55	28	30	73	128	157	113	63	76	104	60	16	2	0
	3.39%	4.37%	1.46%	1.35%	2.66%	3.96%	4.06%	4.19%	2.87%	4.29%	5.95%	4.16%	1.24%	0.60%	
Red Flag Computation 12	967	17	9	47	131	103	180	160	133	79	37	27	34	10	0
	3.62%	1.35%	0.47%	2.11%	4.78%	3.19%	4.66%	5.93%	6.06%	4.46%	2.12%	1.87%	2.64%	2.99%	
Red Flag Computation 13	2,020	83	79	180	281	293	431	415	167	28	23	7	21	12	0
	7.56%	6.59%	4.13%	8.09%	10.24%	9.07%	11.15%	15.39%	7.61%	1.58%	1.32%	0.49%	1.63%	3.58%	
Red Flag Computation 14	433	43	81	76	96	15	43	33	37	9	0	0	0	0	0
	1.62%	3.42%	4.24%	3.42%	3.50%	0.46%	1.11%	1.22%	1.69%	0.51%	0.00%	0.00%	0.00%	0.00%	
Red Flag Computation 15	10,072	363	674	891	1,100	1,307	1,336	860	894	769	691	559	508	120	0
	37.71%	28.83%	35.25%	40.06%	40.10%	40.48%	34.57%	31.89%	40.75%	43.45%	39.51%	38.77%	39.38%	35.82%	
Red Flag Computation 16	5,028	395	551	690	829	802	727	335	215	128	130	115	79	32	0
	18.83%	31.37%	28.82%	31.03%	30.22%	24.84%	18.81%	12.42%	9.80%	7.23%	7.43%	7.98%	6.12%	9.55%	
Red Flag Computation 17	6,355	169	403	434	580	774	960	539	419	504	548	485	452	88	0
	18.82%	10.03%	15.80%	15.51%	16.92%	19.37%	20.41%	15.61%	14.93%	22.40%	24.29%	25.94%	28.86%	21.57%	
Red Flag Computation 18	2,303	78	171	172	205	330	360	242	138	162	181	122	112	30	0
	8.62%	6.20%	8.94%	7.73%	7.47%	10.22%	9.31%	8.97%	6.29%	9.15%	10.35%	8.46%	8.68%	8.96%	

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Wal-Mart Combination Red Flagged Prescriptions Summary
Lake County, OH
Red Flag Computation 1-43, in # of Prescriptions

	Total	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Total # of Combination Red Flagged Prescriptions	33,770	1,685	2,550	2,798	3,427	3,996	4,704	3,453	2,807	2,250	2,256	1,870	1,566	408	0
Total # of Combination Red Flagged Opioid Prescriptions	26,709	1,259	1,912	2,224	2,743	3,229	3,865	2,697	2,194	1,770	1,749	1,442	1,290	335	0
Red Flag Computation 19	857	28	76	63	73	141	129	80	56	63	58	45	34	11	0
	3.21%	2.22%	3.97%	2.83%	2.66%	4.37%	3.34%	2.97%	2.55%	3.56%	3.32%	3.12%	2.64%	3.28%	
Red Flag Computation 20	1,884	92	154	164	221	251	245	162	168	128	122	88	61	28	0
	7.05%	7.31%	8.05%	7.37%	8.06%	7.77%	6.34%	6.01%	7.66%	7.23%	6.98%	6.10%	4.73%	8.36%	
Red Flag Computation 21	1,426	69	138	113	162	251	204	131	129	46	71	61	32	19	0
	5.34%	5.48%	7.22%	5.08%	5.91%	7.77%	5.28%	4.86%	5.88%	2.60%	4.06%	4.23%	2.48%	5.67%	
Red Flag Computation 22	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	
Red Flag Computation 23	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	
Red Flag Computation 24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	
Red Flag Computation 25	870	17	9	47	131	103	180	160	104	51	19	16	27	6	0
	3.26%	1.35%	0.47%	2.11%	4.78%	3.19%	4.66%	5.93%	4.74%	2.88%	1.09%	1.11%	2.09%	1.79%	
Red Flag Computation 26	2,014	83	79	180	281	293	431	415	167	26	21	8	20	10	0
	7.54%	6.59%	4.13%	8.09%	10.24%	9.07%	11.15%	15.39%	7.61%	1.47%	1.20%	0.55%	1.55%	2.99%	
Red Flag Computation 27	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	
Red Flag Computation 28	1	0	0	0	0	0	0	0	1	0	0	0	0	0	0
	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.05%	0.00%	0.00%	0.00%	0.00%	0.00%	
Red Flag Computation 29	347	35	68	64	75	11	31	26	28	9	0	0	0	0	0
	1.30%	2.78%	3.56%	2.88%	2.73%	0.34%	0.80%	0.96%	1.28%	0.51%	0.00%	0.00%	0.00%	0.00%	
Red Flag Computation 30	2,182	147	246	278	309	231	252	166	203	134	94	65	37	20	0
	8.17%	11.68%	12.87%	12.50%	11.27%	7.15%	6.52%	6.15%	9.25%	7.57%	5.37%	4.51%	2.87%	5.97%	
Red Flag Computation 31	2,056	61	128	200	209	187	306	196	233	149	116	116	99	56	0
	7.70%	4.85%	6.69%	8.99%	7.62%	5.79%	7.92%	7.27%	10.62%	8.42%	6.63%	8.04%	7.67%	16.72%	
Red Flag Computation 32	647	75	71	121	148	96	66	33	17	10	1	6	2	1	0
	2.42%	5.96%	3.71%	5.44%	5.40%	2.97%	1.71%	1.22%	0.77%	0.56%	0.06%	0.42%	0.16%	0.30%	
Red Flag Computation 33	696	21	42	39	81	166	61	32	62	95	23	21	48	5	0
	2.61%	1.67%	2.20%	1.75%	2.95%	5.14%	1.58%	1.19%	2.83%	5.37%	1.32%	1.46%	3.72%	1.49%	
Red Flag Computation 34	580	0	0	4	11	12	29	38	77	50	131	107	98	23	0
	2.17%	0.00%	0.00%	0.18%	0.40%	0.37%	0.75%	1.41%	3.51%	2.82%	7.49%	7.42%	7.60%	6.87%	
Red Flag Computation 35	3,275	168	271	357	386	452	354	209	264	256	202	133	189	34	0
	12.26%	13.34%	14.17%	16.05%	14.07%	14.00%	9.16%	7.75%	12.03%	14.46%	11.55%	9.22%	14.65%	10.15%	
Red Flag Computation 36	2,757	34	104	87	187	412	942	361	125	131	133	135	95	11	0
	10.32%	2.70%	5.44%	3.91%	6.82%	12.76%	24.37%	13.39%	5.70%	7.40%	7.60%	9.36%	7.36%	3.28%	

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Wal-Mart Combination Red Flagged Prescriptions Summary
Lake County, OH
Red Flag Computation 1-43, in # of Prescriptions

	Total	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Total # of Combination Red Flagged Prescriptions	33,770	1,685	2,550	2,798	3,427	3,996	4,704	3,453	2,807	2,250	2,256	1,870	1,566	408	0
Total # of Combination Red Flagged Opioid Prescriptions	26,709	1,259	1,912	2,224	2,743	3,229	3,865	2,697	2,194	1,770	1,749	1,442	1,290	335	0
Red Flag Computation 37	511	47	47	90	81	74	62	35	28	13	16	18	0	0	0
	1.91%	3.73%	2.46%	4.05%	2.95%	2.29%	1.60%	1.30%	1.28%	0.73%	0.91%	1.25%	0.00%	0.00%	
Red Flag Computation 38	14,933	913	1,393	1,268	1,457	1,674	1,790	1,518	1,273	991	990	866	635	165	0
	44.22%	54.18%	54.63%	45.32%	42.52%	41.89%	38.05%	43.96%	45.35%	44.04%	43.88%	46.31%	40.55%	40.44%	
Red Flag Computation 39	1,646	148	176	189	206	172	197	261	102	92	56	35	9	3	0
	4.87%	8.78%	6.90%	6.75%	6.01%	4.30%	4.19%	7.56%	3.63%	4.09%	2.48%	1.87%	0.57%	0.74%	
Red Flag Computation 40	651	14	19	27	96	163	67	74	47	71	44	24	5	0	0
	2.44%	1.11%	0.99%	1.21%	3.50%	5.05%	1.73%	2.74%	2.14%	4.01%	2.52%	1.66%	0.39%	0.00%	
Red Flag Computation 41	5,925	379	719	528	572	708	784	637	514	310	325	225	178	46	0
	17.55%	22.49%	28.20%	18.87%	16.69%	17.72%	16.67%	18.45%	18.31%	13.78%	14.41%	12.03%	11.37%	11.27%	
Red Flag Computation 42	2,996	191	353	287	400	401	312	385	199	92	154	124	86	12	0
	8.87%	11.34%	13.84%	10.26%	11.67%	10.04%	6.63%	11.15%	7.09%	4.09%	6.83%	6.63%	5.49%	2.94%	
Red Flag Computation 43	362	26	46	35	76	68	69	42	0	0	0	0	0	0	0
	1.07%	1.54%	1.80%	1.25%	2.22%	1.70%	1.47%	1.22%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	
Flagged for Any of the Red Flag Computation 1-43	33,770	1,685	2,550	2,798	3,427	3,996	4,704	3,453	2,807	2,250	2,256	1,870	1,566	408	0
	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	

Notes

Defendant	Date Range
CVS	January 1, 2006 to November 29, 2019
Giant Eagle/HBC	January 1, 2006 to December 3, 2019
Rite Aid	January 1, 2006 to November 19, 2019
Walgreens	January 3, 2006 to January 3, 2020
Wal-Mart	January 2, 2006 to April 25, 2018

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Wal-Mart Combination Red Flagged Prescriptions Summary
Lake County, OH
Red Flag Computation 1-43, in Dosage Units

	Total	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Total Dosage Units of Combination Red Flagged Prescriptions	2,624,923	134,001	195,329	222,413	272,091	316,582	375,016	274,286	231,256	169,528	163,704	130,820	110,109	29,788	0
Total Dosage Units of Combination Red Flagged Opioid Prescriptions	2,202,270	105,817	153,247	186,226	231,092	269,774	324,309	228,361	192,859	142,328	136,906	108,870	96,348	26,133	0
Red Flag Computation 1	146,742	2,000	6,355	11,850	11,296	12,358	15,622	17,365	18,097	13,438	13,789	11,566	10,537	2,469	0
	6.66%	1.89%	4.15%	6.36%	4.89%	4.58%	4.82%	7.60%	9.38%	9.44%	10.07%	10.62%	10.94%	9.45%	
Red Flag Computation 2	662,271	12,678	34,801	40,638	60,283	90,611	138,389	70,268	48,419	42,825	43,464	37,092	34,623	8,180	0
	30.07%	11.98%	22.71%	21.82%	26.09%	33.59%	42.67%	30.77%	25.11%	30.09%	31.75%	34.07%	35.94%	31.30%	
Red Flag Computation 3	247,370	11,843	16,670	22,414	26,500	31,951	30,924	22,824	21,379	15,848	18,370	13,762	11,387	3,498	0
	11.23%	11.19%	10.88%	12.04%	11.47%	11.84%	9.54%	9.99%	11.09%	11.13%	13.42%	12.64%	11.82%	13.39%	
Red Flag Computation 4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	
Red Flag Computation 5	467,557	32,648	48,188	42,670	53,972	56,494	56,162	53,933	38,041	29,528	27,165	18,071	8,325	2,360	0
	17.81%	24.36%	24.67%	19.19%	19.84%	17.84%	14.98%	19.66%	16.45%	17.42%	16.59%	13.81%	7.56%	7.92%	
Red Flag Computation 6	129,308	11,656	13,987	15,147	16,705	12,939	14,090	20,626	8,649	7,891	3,884	2,894	750	90	0
	4.93%	8.70%	7.16%	6.81%	6.14%	4.09%	3.76%	7.52%	3.74%	4.65%	2.37%	2.21%	0.68%	0.30%	
Red Flag Computation 7	1,225,324	64,596	97,236	97,895	118,226	137,904	149,202	131,613	115,947	85,317	90,801	73,121	49,680	13,786	0
	46.68%	48.21%	49.78%	44.01%	43.45%	43.56%	39.79%	47.98%	50.14%	50.33%	55.47%	55.89%	45.12%	46.28%	
Red Flag Computation 8	751,203	41,295	63,740	59,592	63,162	76,578	83,412	83,838	78,513	54,890	56,486	47,013	34,066	8,618	0
	28.62%	30.82%	32.63%	26.79%	23.21%	24.19%	22.24%	30.57%	33.95%	32.38%	34.50%	35.94%	30.94%	28.93%	
Red Flag Computation 9	160,098	2,600	7,113	10,087	18,557	28,793	39,636	17,174	8,066	7,319	7,237	8,304	4,972	240	0
	7.27%	2.46%	4.64%	5.42%	8.03%	10.67%	12.22%	7.52%	4.18%	5.14%	5.29%	7.63%	5.16%	0.92%	
Red Flag Computation 10	102,436	9,046	2,963	2,298	6,037	14,112	21,939	13,799	6,889	6,779	11,164	6,258	942	210	0
	4.65%	8.55%	1.93%	1.23%	2.61%	5.23%	6.76%	6.04%	3.57%	4.76%	8.15%	5.75%	0.98%	0.80%	
Red Flag Computation 11	102,436	9,046	2,963	2,298	6,037	14,112	21,939	13,799	6,889	6,779	11,164	6,258	942	210	0
	4.65%	8.55%	1.93%	1.23%	2.61%	5.23%	6.76%	6.04%	3.57%	4.76%	8.15%	5.75%	0.98%	0.80%	
Red Flag Computation 12	120,073	1,104	1,652	5,472	19,966	15,322	17,740	16,002	17,300	13,143	5,340	2,400	3,560	1,072	0
	5.45%	1.04%	1.08%	2.94%	8.64%	5.68%	5.47%	7.01%	8.97%	9.23%	3.90%	2.20%	3.69%	4.10%	
Red Flag Computation 13	220,325	8,299	9,361	21,465	37,755	37,918	37,599	38,847	16,444	5,462	3,111	720	1,944	1,400	0
	10.00%	7.84%	6.11%	11.53%	16.34%	14.06%	11.59%	17.01%	8.53%	3.84%	2.27%	0.66%	2.02%	5.36%	
Red Flag Computation 14	44,879	4,574	9,100	7,924	9,143	1,850	4,521	3,055	3,832	880	0	0	0	0	0
	2.04%	4.32%	5.94%	4.26%	3.96%	0.69%	1.39%	1.34%	1.99%	0.62%	0.00%	0.00%	0.00%	0.00%	
Red Flag Computation 15	952,382	37,111	63,811	84,085	107,431	123,574	137,366	87,875	81,919	66,200	64,270	48,631	40,290	9,819	0
	43.25%	35.07%	41.64%	45.15%	46.49%	45.81%	42.36%	38.48%	42.48%	46.51%	46.94%	44.67%	41.82%	37.57%	
Red Flag Computation 16	376,781	35,532	41,729	57,082	70,444	61,673	52,292	21,237	12,181	6,211	6,412	5,891	4,075	2,022	0
	17.11%	33.58%	27.23%	30.65%	30.48%	22.86%	16.12%	9.30%	6.32%	4.36%	4.68%	5.41%	4.23%	7.74%	
Red Flag Computation 17	472,274	8,243	27,389	31,467	42,934	61,275	79,791	42,893	35,555	36,640	37,211	31,896	30,315	6,665	0
	17.99%	6.15%	14.02%	14.15%	15.78%	19.36%	21.28%	15.64%	15.37%	21.61%	22.73%	24.38%	27.53%	22.37%	
Red Flag Computation 18	119,306	3,137	9,018	9,949	10,864	18,779	18,422	11,876	6,922	8,078	8,914	5,770	6,071	1,506	0
	5.42%	2.96%	5.88%	5.34%	4.70%	6.96%	5.68%	5.20%	3.59%	5.68%	6.51%	5.30%	6.30%	5.76%	

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Wal-Mart Combination Red Flagged Prescriptions Summary
Lake County, OH
Red Flag Computation 1-43, in Dosage Units

	Total	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Total Dosage Units of Combination Red Flagged Prescriptions	2,624,923	134,001	195,329	222,413	272,091	316,582	375,016	274,286	231,256	169,528	163,704	130,820	110,109	29,788	0
Total Dosage Units of Combination Red Flagged Opioid Prescriptions	2,202,270	105,817	153,247	186,226	231,092	269,774	324,309	228,361	192,859	142,328	136,906	108,870	96,348	26,133	0
Red Flag Computation 19	46,587	1,018	4,077	3,492	4,047	8,773	6,951	3,884	2,594	3,725	3,452	1,967	1,953	654	0
	2.12%	0.96%	2.66%	1.88%	1.75%	3.25%	2.14%	1.70%	1.35%	2.62%	2.52%	1.81%	2.03%	2.50%	
Red Flag Computation 20	104,196	4,222	7,867	9,636	11,964	15,477	14,142	8,903	8,772	7,406	7,071	4,184	3,067	1,485	0
	4.73%	3.99%	5.13%	5.17%	5.18%	5.74%	4.36%	3.90%	4.55%	5.20%	5.16%	3.84%	3.18%	5.68%	
Red Flag Computation 21	77,445	3,147	7,393	6,039	9,018	15,372	10,723	7,529	7,140	2,152	3,946	2,655	1,358	973	0
	3.52%	2.97%	4.82%	3.24%	3.90%	5.70%	3.31%	3.30%	3.70%	1.51%	2.88%	2.44%	1.41%	3.72%	
Red Flag Computation 22	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	
Red Flag Computation 23	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	
Red Flag Computation 24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	
Red Flag Computation 25	105,500	1,104	1,652	5,472	19,966	15,322	17,740	16,002	12,526	8,464	2,517	1,440	2,703	592	0
	4.79%	1.04%	1.08%	2.94%	8.64%	5.68%	5.47%	7.01%	6.49%	5.95%	1.84%	1.32%	2.81%	2.27%	
Red Flag Computation 26	219,665	8,299	9,361	21,465	37,755	37,918	37,599	38,847	16,444	5,210	2,873	840	1,894	1,160	0
	9.97%	7.84%	6.11%	11.53%	16.34%	14.06%	11.59%	17.01%	8.53%	3.66%	2.10%	0.77%	1.97%	4.44%	
Red Flag Computation 27	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	
Red Flag Computation 28	168	0	0	0	0	0	0	0	168	0	0	0	0	0	0
	0.01%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.09%	0.00%	0.00%	0.00%	0.00%	0.00%	
Red Flag Computation 29	36,334	3,559	7,690	6,814	7,243	1,420	3,291	2,595	2,842	880	0	0	0	0	0
	1.65%	3.36%	5.02%	3.66%	3.13%	0.53%	1.01%	1.14%	1.47%	0.62%	0.00%	0.00%	0.00%	0.00%	
Red Flag Computation 30	198,850	14,595	21,776	24,471	29,951	23,152	25,131	15,188	18,068	11,030	7,613	4,056	2,796	1,023	0
	9.03%	13.79%	14.21%	13.14%	12.96%	8.58%	7.75%	6.65%	9.37%	7.75%	5.56%	3.73%	2.90%	3.91%	
Red Flag Computation 31	251,979	6,355	16,984	20,757	24,834	28,069	41,000	24,727	26,662	21,190	14,005	11,696	10,361	5,339	0
	11.44%	6.01%	11.08%	11.15%	10.75%	10.40%	12.64%	10.83%	13.82%	14.89%	10.23%	10.74%	10.75%	20.43%	
Red Flag Computation 32	67,947	8,936	6,965	13,409	17,118	9,988	5,692	3,825	1,150	224	120	520	0	0	0
	3.09%	8.44%	4.54%	7.20%	7.41%	3.70%	1.76%	1.67%	0.60%	0.16%	0.09%	0.48%	0.00%	0.00%	
Red Flag Computation 33	36,033	1,398	3,243	2,268	4,001	5,859	3,917	2,382	3,829	3,579	1,346	1,491	2,456	264	0
	1.64%	1.32%	2.12%	1.22%	1.73%	2.17%	1.21%	1.04%	1.99%	2.51%	0.98%	1.37%	2.55%	1.01%	
Red Flag Computation 34	52,906	0	0	600	1,179	1,151	2,873	4,159	8,350	5,227	10,638	8,252	8,212	2,265	0
	2.40%	0.00%	0.00%	0.32%	0.51%	0.43%	0.89%	1.82%	4.33%	3.67%	7.77%	7.58%	8.52%	8.67%	
Red Flag Computation 35	232,053	17,902	20,277	30,595	29,559	28,378	27,458	15,341	17,929	12,127	12,566	7,475	10,435	2,011	0
	10.54%	16.92%	13.23%	16.43%	12.79%	10.52%	8.47%	6.72%	9.30%	8.52%	9.18%	6.87%	10.83%	7.70%	
Red Flag Computation 36	212,025	1,898	6,600	5,823	14,691	33,532	81,294	28,172	12,867	8,119	6,066	6,781	5,501	681	0
	9.63%	1.79%	4.31%	3.13%	6.36%	12.43%	25.07%	12.34%	6.67%	5.70%	4.43%	6.23%	5.71%	2.61%	

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Wal-Mart Combination Red Flagged Prescriptions Summary
Lake County, OH
Red Flag Computation 1-43, in Dosage Units

	Total	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Total Dosage Units of Combination Red Flagged Prescriptions	2,624,923	134,001	195,329	222,413	272,091	316,582	375,016	274,286	231,256	169,528	163,704	130,820	110,109	29,788	0
Total Dosage Units of Combination Red Flagged Opioid Prescriptions	2,202,270	105,817	153,247	186,226	231,092	269,774	324,309	228,361	192,859	142,328	136,906	108,870	96,348	26,133	0
Red Flag Computation 37	52,881	4,480	4,630	10,240	9,610	6,370	4,990	3,411	3,420	1,530	2,190	2,010	0	0	0
	2.40%	4.23%	3.02%	5.50%	4.16%	2.36%	1.54%	1.49%	1.77%	1.07%	1.60%	1.85%	0.00%	0.00%	
Red Flag Computation 38	1,116,259	74,282	108,030	97,160	104,949	122,571	132,872	120,791	102,122	72,323	68,073	58,472	43,490	11,124	0
	42.53%	55.43%	55.31%	43.68%	38.57%	38.72%	35.43%	44.04%	44.16%	42.66%	41.58%	44.70%	39.50%	37.34%	
Red Flag Computation 39	128,768	11,656	13,987	15,147	16,705	12,939	14,090	20,626	8,139	7,861	3,884	2,894	750	90	0
	4.91%	8.70%	7.16%	6.81%	6.14%	4.09%	3.76%	7.52%	3.52%	4.64%	2.37%	2.21%	0.68%	0.30%	
Red Flag Computation 40	50,646	796	1,442	2,055	6,430	5,388	5,236	8,777	6,012	6,694	5,244	1,984	588	0	0
	2.30%	0.75%	0.94%	1.10%	2.78%	2.00%	1.61%	3.84%	3.12%	4.70%	3.83%	1.82%	0.61%	0.00%	
Red Flag Computation 41	507,683	34,563	62,204	46,170	46,095	58,649	66,132	58,480	45,432	27,060	26,679	18,322	13,963	3,934	0
	19.34%	25.79%	31.85%	20.76%	16.94%	18.53%	17.63%	21.32%	19.65%	15.96%	16.30%	14.01%	12.68%	13.21%	
Red Flag Computation 42	212,745	13,086	25,388	21,157	28,981	25,641	22,493	28,573	14,426	5,856	12,180	8,949	5,209	806	0
	8.10%	9.77%	13.00%	9.51%	10.65%	8.10%	6.00%	10.42%	6.24%	3.45%	7.44%	6.84%	4.73%	2.71%	
Red Flag Computation 43	27,076	1,968	3,495	2,185	5,991	5,196	5,001	3,240	0	0	0	0	0	0	0
	1.03%	1.47%	1.79%	0.98%	2.20%	1.64%	1.33%	1.18%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	
Flagged for Any of the Red Flag Computation 1-43	2,624,923	134,001	195,329	222,413	272,091	316,582	375,016	274,286	231,256	169,528	163,704	130,820	110,109	29,788	0
	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	

Notes

Defendant	Date Range
CVS	January 1, 2006 to November 29, 2019
Giant Eagle/HBC	January 1, 2006 to December 3, 2019
Rite Aid	January 1, 2006 to November 19, 2019
Walgreens	January 3, 2006 to January 3, 2020
Wal-Mart	January 2, 2006 to April 25, 2018

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Wal-Mart Combination Red Flagged Prescriptions Summary
Lake County, OH
Red Flag Computation 1-43, in MME

	Total	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Total MME of Combination Red Flagged Prescriptions	33,549,932	2,038,425	2,056,280	2,394,201	3,069,720	4,019,810	5,027,370	3,578,018	3,003,267	2,259,638	2,438,862	1,827,629	1,481,710	355,003	0
Total MME of Combination Red Flagged Opioid Prescriptions	33,549,932	2,038,425	2,056,280	2,394,201	3,069,720	4,019,810	5,027,370	3,578,018	3,003,267	2,259,638	2,438,862	1,827,629	1,481,710	355,003	0
Red Flag Computation 1	2,837,310	57,235	116,626	178,048	230,258	230,553	216,343	226,403	327,770	318,535	370,162	304,303	200,630	60,448	0
	8.46%	2.81%	5.67%	7.44%	7.50%	5.74%	4.30%	6.33%	10.91%	14.10%	15.18%	16.65%	13.54%	17.03%	
Red Flag Computation 2	11,342,026	195,808	501,710	515,702	922,409	1,563,805	2,423,006	1,125,372	811,797	961,881	930,007	703,727	553,887	132,916	0
	33.81%	9.61%	24.40%	21.54%	30.05%	38.90%	48.20%	31.45%	27.03%	42.57%	38.13%	38.50%	37.38%	37.44%	
Red Flag Computation 3	3,636,724	174,349	242,273	311,112	376,995	522,274	456,328	352,475	266,317	196,577	284,544	209,320	201,906	42,255	0
	10.84%	8.55%	11.78%	12.99%	12.28%	12.99%	9.08%	9.85%	8.87%	8.70%	11.67%	11.45%	13.63%	11.90%	
Red Flag Computation 4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	
Red Flag Computation 5	5,151,512	414,145	404,180	377,064	545,204	617,504	558,672	743,740	398,205	278,604	406,919	274,954	116,355	15,969	0
	15.35%	20.32%	19.66%	15.75%	17.76%	15.36%	11.11%	20.79%	13.26%	12.33%	16.68%	15.04%	7.85%	4.50%	
Red Flag Computation 6	927,691	96,863	103,815	104,668	113,650	110,234	90,823	147,988	68,865	41,775	27,270	16,643	4,950	150	0
	2.77%	4.75%	5.05%	4.37%	3.70%	2.74%	1.81%	4.14%	2.29%	1.85%	1.12%	0.91%	0.33%	0.04%	
Red Flag Computation 7	14,468,551	839,042	950,452	974,223	1,331,166	1,682,527	1,671,596	1,659,197	1,253,653	1,046,443	1,392,187	980,531	568,903	118,631	0
	43.13%	41.16%	46.22%	40.69%	43.36%	41.86%	33.25%	46.37%	41.74%	46.31%	57.08%	53.65%	38.40%	33.42%	
Red Flag Computation 8	6,849,852	363,890	538,214	529,631	522,956	674,193	655,312	757,695	697,496	573,538	716,535	448,841	314,210	57,343	0
	20.42%	17.85%	26.17%	22.12%	17.04%	16.77%	13.03%	21.18%	23.22%	25.38%	29.38%	24.56%	21.21%	16.15%	
Red Flag Computation 9	2,937,277	53,760	117,333	141,050	239,155	502,504	775,324	336,379	152,355	153,645	147,493	196,855	118,725	2,700	0
	8.75%	2.64%	5.71%	5.89%	7.79%	12.50%	15.42%	9.40%	5.07%	6.80%	6.05%	10.77%	8.01%	0.76%	
Red Flag Computation 10	6,063,120	793,710	180,180	215,700	414,525	670,935	1,108,630	790,555	470,095	442,590	595,410	301,140	65,250	14,400	0
	18.07%	38.94%	8.76%	9.01%	13.50%	16.69%	22.05%	22.09%	15.65%	19.59%	24.41%	16.48%	4.40%	4.06%	
Red Flag Computation 11	6,063,120	793,710	180,180	215,700	414,525	670,935	1,108,630	790,555	470,095	442,590	595,410	301,140	65,250	14,400	0
	18.07%	38.94%	8.76%	9.01%	13.50%	16.69%	22.05%	22.09%	15.65%	19.59%	24.41%	16.48%	4.40%	4.06%	
Red Flag Computation 12	978,809	8,700	12,390	39,973	150,098	114,030	149,585	124,978	176,600	100,388	43,448	18,000	31,740	8,880	0
	2.92%	0.43%	0.60%	1.67%	4.89%	2.84%	2.98%	3.49%	5.88%	4.44%	1.78%	0.98%	2.14%	2.50%	
Red Flag Computation 13	1,831,456	65,265	68,323	157,793	279,140	294,185	332,920	369,566	158,388	41,805	26,813	5,400	17,160	14,700	0
	5.46%	3.20%	3.32%	6.59%	9.09%	7.32%	6.62%	10.33%	5.27%	1.85%	1.10%	0.30%	1.16%	4.14%	
Red Flag Computation 14	284,883	28,090	58,930	49,990	54,993	10,225	30,898	18,398	28,585	4,775	0	0	0	0	0
	0.85%	1.38%	2.87%	2.09%	1.79%	0.25%	0.61%	0.51%	0.95%	0.21%	0.00%	0.00%	0.00%	0.00%	
Red Flag Computation 15	19,081,620	1,136,391	1,074,444	1,312,104	1,772,794	2,335,606	2,714,769	1,788,552	1,645,706	1,406,296	1,608,032	1,223,798	884,527	178,602	0
	56.88%	55.75%	52.25%	54.80%	57.75%	58.10%	54.00%	49.99%	54.80%	62.24%	65.93%	66.96%	59.70%	50.31%	
Red Flag Computation 16	4,416,541	423,433	411,959	561,883	639,328	724,006	703,981	312,803	178,831	97,603	148,298	125,618	58,620	30,180	0
	13.16%	20.77%	20.03%	23.47%	20.83%	18.01%	14.00%	8.74%	5.95%	4.32%	6.08%	6.87%	3.96%	8.50%	
Red Flag Computation 17	7,908,674	124,813	370,404	383,695	673,956	1,016,537	1,358,885	679,999	585,079	796,010	787,678	583,407	458,900	89,314	0
	23.57%	6.12%	18.01%	16.03%	21.95%	25.29%	27.03%	19.00%	19.48%	35.23%	32.30%	31.92%	30.97%	25.16%	
Red Flag Computation 18	1,562,588	48,666	121,544	114,662	119,483	269,528	281,247	162,554	89,040	113,116	85,499	62,128	76,110	19,014	0
	4.66%	2.39%	5.91%	4.79%	3.89%	6.71%	5.59%	4.54%	2.96%	5.01%	3.51%	3.40%	5.14%	5.36%	

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Wal-Mart Combination Red Flagged Prescriptions Summary
Lake County, OH
Red Flag Computation 1-43, in MME

	Total	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Total MME of Combination Red Flagged Prescriptions	33,549,932	2,038,425	2,056,280	2,394,201	3,069,720	4,019,810	5,027,370	3,578,018	3,003,267	2,259,638	2,438,862	1,827,629	1,481,710	355,003	0
Total MME of Combination Red Flagged Opioid Prescriptions	33,549,932	2,038,425	2,056,280	2,394,201	3,069,720	4,019,810	5,027,370	3,578,018	3,003,267	2,259,638	2,438,862	1,827,629	1,481,710	355,003	0
Red Flag Computation 19	624,563	20,406	48,499	49,321	48,268	130,393	105,172	36,448	41,541	54,650	31,430	16,475	28,622	13,340	0
	1.86%	1.00%	2.36%	2.06%	1.57%	3.24%	2.09%	1.02%	1.38%	2.42%	1.29%	0.90%	1.93%	3.76%	
Red Flag Computation 20	1,330,826	71,661	92,381	126,831	155,970	218,242	173,936	97,933	107,684	93,810	89,607	43,968	37,631	21,175	0
	3.97%	3.52%	4.49%	5.30%	5.08%	5.43%	3.46%	2.74%	3.59%	4.15%	3.67%	2.41%	2.54%	5.96%	
Red Flag Computation 21	963,208	45,559	83,206	70,194	113,538	221,952	135,247	81,783	101,811	15,293	37,879	22,498	18,869	15,381	0
	2.87%	2.23%	4.05%	2.93%	3.70%	5.52%	2.69%	2.29%	3.39%	0.68%	1.55%	1.23%	1.27%	4.33%	
Red Flag Computation 22	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	
Red Flag Computation 23	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	
Red Flag Computation 24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	
Red Flag Computation 25	854,596	8,700	12,390	39,973	150,098	114,030	149,585	124,978	129,420	64,395	20,475	10,800	24,473	5,280	0
	2.55%	0.43%	0.60%	1.67%	4.89%	2.84%	2.98%	3.49%	4.31%	2.85%	0.84%	0.59%	1.65%	1.49%	
Red Flag Computation 26	1,826,506	65,265	68,323	157,793	279,140	294,185	332,920	369,566	158,388	39,915	25,028	6,300	16,785	12,900	0
	5.44%	3.20%	3.32%	6.59%	9.09%	7.32%	6.62%	10.33%	5.27%	1.77%	1.03%	0.34%	1.13%	3.63%	
Red Flag Computation 27	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	
Red Flag Computation 28	2,520	0	0	0	0	0	0	0	2,520	0	0	0	0	0	0
	0.01%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.08%	0.00%	0.00%	0.00%	0.00%	0.00%	
Red Flag Computation 29	229,143	22,090	50,455	42,550	43,873	7,775	22,098	15,268	20,260	4,775	0	0	0	0	0
	0.68%	1.08%	2.45%	1.78%	1.43%	0.19%	0.44%	0.43%	0.67%	0.21%	0.00%	0.00%	0.00%	0.00%	
Red Flag Computation 30	2,975,261	378,354	317,506	323,520	371,050	334,264	356,063	239,843	251,315	135,840	126,890	83,356	44,158	13,105	0
	8.87%	18.56%	15.44%	13.51%	12.09%	8.32%	7.08%	6.70%	8.37%	6.01%	5.20%	4.56%	2.98%	3.69%	
Red Flag Computation 31	3,780,699	180,280	265,357	278,385	280,384	332,845	614,784	397,140	325,875	228,424	202,713	327,783	238,113	108,618	0
	11.27%	8.84%	12.90%	11.63%	9.13%	8.28%	12.23%	11.10%	10.85%	10.11%	8.31%	17.93%	16.07%	30.60%	
Red Flag Computation 32	622,958	84,976	71,214	120,310	119,040	102,545	50,930	42,223	12,685	2,960	2,700	13,000	270	105	0
	1.86%	4.17%	3.46%	5.03%	3.88%	2.55%	1.01%	1.18%	0.42%	0.13%	0.11%	0.71%	0.02%	0.03%	
Red Flag Computation 33	949,591	44,235	62,725	62,566	103,410	197,186	93,665	63,822	115,753	72,275	31,050	53,010	40,280	9,615	0
	2.83%	2.17%	3.05%	2.61%	3.37%	4.91%	1.86%	1.78%	3.85%	3.20%	1.27%	2.90%	2.72%	2.71%	
Red Flag Computation 34	932,875	0	0	10,050	21,105	19,483	80,430	65,243	166,620	105,860	197,905	111,883	121,560	32,738	0
	2.78%	0.00%	0.00%	0.42%	0.69%	0.48%	1.60%	1.82%	5.55%	4.68%	8.11%	6.12%	8.20%	9.22%	
Red Flag Computation 35	4,557,498	750,066	266,003	423,464	461,985	592,971	544,440	267,741	405,911	200,769	295,963	156,530	161,773	29,884	0
	13.58%	36.80%	12.94%	17.69%	15.05%	14.75%	10.83%	7.48%	13.52%	8.88%	12.14%	8.56%	10.92%	8.42%	
Red Flag Computation 36	3,755,603	17,805	68,130	66,016	179,738	605,405	1,572,549	432,265	206,413	216,080	153,386	128,180	100,123	9,515	0
	11.19%	0.87%	3.31%	2.76%	5.86%	15.06%	31.28%	12.08%	6.87%	9.56%	6.29%	7.01%	6.76%	2.68%	

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Wal-Mart Combination Red Flagged Prescriptions Summary
Lake County, OH
Red Flag Computation 1-43, in MME

	Total	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Total MME of Combination Red Flagged Prescriptions	33,549,932	2,038,425	2,056,280	2,394,201	3,069,720	4,019,810	5,027,370	3,578,018	3,003,267	2,259,638	2,438,862	1,827,629	1,481,710	355,003	0
Total MME of Combination Red Flagged Opioid Prescriptions	33,549,932	2,038,425	2,056,280	2,394,201	3,069,720	4,019,810	5,027,370	3,578,018	3,003,267	2,259,638	2,438,862	1,827,629	1,481,710	355,003	0
Red Flag Computation 37	468,788	36,900	46,545	94,450	82,025	55,110	35,790	24,383	26,310	11,475	24,525	31,275	0	0	0
	1.40%	1.81%	2.26%	3.94%	2.67%	1.37%	0.71%	0.68%	0.88%	0.51%	1.01%	1.71%	0.00%	0.00%	
Red Flag Computation 38	10,588,222	730,683	933,552	880,947	987,407	1,162,982	1,131,241	1,196,162	949,998	724,330	801,955	570,591	430,670	87,704	0
	31.56%	35.85%	45.40%	36.80%	32.17%	28.93%	22.50%	33.43%	31.63%	32.06%	32.88%	31.22%	29.07%	24.71%	
Red Flag Computation 39	924,466	96,863	103,815	104,668	113,650	110,234	90,823	147,988	65,865	41,550	27,270	16,643	4,950	150	0
	2.76%	4.75%	5.05%	4.37%	3.70%	2.74%	1.81%	4.14%	2.19%	1.84%	1.12%	0.91%	0.33%	0.04%	
Red Flag Computation 40	1,497,115	26,715	42,130	53,109	161,180	180,625	135,282	325,885	170,804	186,117	140,733	52,275	22,260	0	0
	4.46%	1.31%	2.05%	2.22%	5.25%	4.49%	2.69%	9.11%	5.69%	8.24%	5.77%	2.86%	1.50%	0.00%	
Red Flag Computation 41	5,153,241	345,208	497,743	427,157	462,265	594,030	550,915	605,275	485,530	313,765	427,410	248,090	169,635	26,218	0
	15.36%	16.94%	24.21%	17.84%	15.06%	14.78%	10.96%	16.92%	16.17%	13.89%	17.52%	13.57%	11.45%	7.39%	
Red Flag Computation 42	2,715,324	150,051	204,488	197,173	275,130	346,224	304,721	443,752	149,833	84,286	287,133	195,688	71,613	5,235	0
	8.09%	7.36%	9.94%	8.24%	8.96%	8.61%	6.06%	12.40%	4.99%	3.73%	11.77%	10.71%	4.83%	1.47%	
Red Flag Computation 43	295,775	32,238	23,225	14,785	50,080	73,330	60,598	41,520	0	0	0	0	0	0	0
	0.88%	1.58%	1.13%	0.62%	1.63%	1.82%	1.21%	1.16%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	
Flagged for Any of the Red Flag Computation 1-43	33,549,932	2,038,425	2,056,280	2,394,201	3,069,720	4,019,810	5,027,370	3,578,018	3,003,267	2,259,638	2,438,862	1,827,629	1,481,710	355,003	0
	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	

Notes

Defendant	Date Range
CVS	January 1, 2006 to November 29, 2019
Giant Eagle/HBC	January 1, 2006 to December 3, 2019
Rite Aid	January 1, 2006 to November 19, 2019
Walgreens	January 3, 2006 to January 3, 2020
Wal-Mart	January 2, 2006 to April 25, 2018

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Wal-Mart Combination Red Flagged Prescriptions Summary
Trumbull County, OH
Red Flag Computation 1-43, in # of Prescriptions

	Total	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Total # of Combination Red Flagged Prescriptions	15,473	735	936	884	922	1,409	1,254	1,002	1,185	1,356	1,839	2,140	1,530	281	0
Total # of Combination Red Flagged Opioid Prescriptions	10,670	498	647	607	644	1,023	912	715	836	922	1,211	1,432	1,023	200	0
Red Flag Computation 1	565	19	20	28	36	47	65	42	56	52	66	70	48	16	0
	5.30%	3.82%	3.09%	4.61%	5.59%	4.59%	7.13%	5.87%	6.70%	5.64%	5.45%	4.89%	4.69%	8.00%	
Red Flag Computation 2	3,194	129	120	131	215	459	426	253	219	278	323	317	249	75	0
	29.93%	25.90%	18.55%	21.58%	33.39%	44.87%	46.71%	35.38%	26.20%	30.15%	26.67%	22.14%	24.34%	37.50%	
Red Flag Computation 3	1,681	99	123	109	78	167	126	139	145	149	221	198	106	21	0
	15.75%	19.88%	19.01%	17.96%	12.11%	16.32%	13.82%	19.44%	17.34%	16.16%	18.25%	13.83%	10.36%	10.50%	
Red Flag Computation 4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	
Red Flag Computation 5	2,003	68	126	135	173	202	164	114	93	184	231	280	202	31	0
	12.95%	9.25%	13.46%	15.27%	18.76%	14.34%	13.08%	11.38%	7.85%	13.57%	12.56%	13.08%	13.20%	11.03%	
Red Flag Computation 6	816	24	63	61	81	93	88	27	12	80	110	110	58	9	0
	5.27%	3.27%	6.73%	6.90%	8.79%	6.60%	7.02%	2.69%	1.01%	5.90%	5.98%	5.14%	3.79%	3.20%	
Red Flag Computation 7	9,908	494	585	532	537	796	679	582	759	884	1,306	1,516	1,071	167	0
	64.03%	67.21%	62.50%	60.18%	58.24%	56.49%	54.15%	58.08%	64.05%	65.19%	71.02%	70.84%	70.00%	59.43%	
Red Flag Computation 8	8,144	432	489	437	432	606	555	455	619	744	1,114	1,225	898	138	0
	52.63%	58.78%	52.24%	49.43%	46.85%	43.01%	44.26%	45.41%	52.24%	54.87%	60.58%	57.24%	58.69%	49.11%	
Red Flag Computation 9	328	30	39	10	13	24	17	6	27	12	47	76	25	2	0
	3.07%	6.02%	6.03%	1.65%	2.02%	2.35%	1.86%	0.84%	3.23%	1.30%	3.88%	5.31%	2.44%	1.00%	
Red Flag Computation 10	107	9	6	13	7	7	12	7	26	7	4	7	1	1	0
	1.00%	1.81%	0.93%	2.14%	1.09%	0.68%	1.32%	0.98%	3.11%	0.76%	0.33%	0.49%	0.10%	0.50%	
Red Flag Computation 11	107	9	6	13	7	7	12	7	26	7	4	7	1	1	0
	1.00%	1.81%	0.93%	2.14%	1.09%	0.68%	1.32%	0.98%	3.11%	0.76%	0.33%	0.49%	0.10%	0.50%	
Red Flag Computation 12	393	0	0	4	0	4	0	0	0	15	80	182	105	3	0
	3.68%	0.00%	0.00%	0.66%	0.00%	0.39%	0.00%	0.00%	0.00%	1.63%	6.61%	12.71%	10.26%	1.50%	
Red Flag Computation 13	323	3	15	13	3	19	16	15	2	8	46	125	52	6	0
	3.03%	0.60%	2.32%	2.14%	0.47%	1.86%	1.75%	2.10%	0.24%	0.87%	3.80%	8.73%	5.08%	3.00%	
Red Flag Computation 14	111	12	22	13	17	3	10	10	19	5	0	0	0	0	0
	1.04%	2.41%	3.40%	2.14%	2.64%	0.29%	1.10%	1.40%	2.27%	0.54%	0.00%	0.00%	0.00%	0.00%	
Red Flag Computation 15	2,022	113	174	122	112	121	114	138	220	189	255	275	166	23	0
	18.95%	22.69%	26.89%	20.10%	17.39%	11.83%	12.50%	19.30%	26.32%	20.50%	21.06%	19.20%	16.23%	11.50%	
Red Flag Computation 16	1,824	187	273	210	178	239	243	123	100	74	66	46	64	21	0
	17.09%	37.55%	42.19%	34.60%	27.64%	23.36%	26.64%	17.20%	11.96%	8.03%	5.45%	3.21%	6.26%	10.50%	
Red Flag Computation 17	2,369	71	54	111	164	350	288	161	147	219	257	277	209	61	0
	15.31%	9.66%	5.77%	12.56%	17.79%	24.84%	22.97%	16.07%	12.41%	16.15%	13.97%	12.94%	13.66%	21.71%	
Red Flag Computation 18	901	31	40	46	69	141	104	85	73	60	106	78	57	11	0
	8.44%	6.22%	6.18%	7.58%	10.71%	13.78%	11.40%	11.89%	8.73%	6.51%	8.75%	5.45%	5.57%	5.50%	

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Wal-Mart Combination Red Flagged Prescriptions Summary
Trumbull County, OH
Red Flag Computation 1-43, in # of Prescriptions

	Total	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Total # of Combination Red Flagged Prescriptions	15,473	735	936	884	922	1,409	1,254	1,002	1,185	1,356	1,839	2,140	1,530	281	0
Total # of Combination Red Flagged Opioid Prescriptions	10,670	498	647	607	644	1,023	912	715	836	922	1,211	1,432	1,023	200	0
Red Flag Computation 19	336	5	15	13	18	52	35	32	26	23	49	39	25	4	0
	3.15%	1.00%	2.32%	2.14%	2.80%	5.08%	3.84%	4.48%	3.11%	2.49%	4.05%	2.72%	2.44%	2.00%	
Red Flag Computation 20	720	23	44	40	34	91	64	66	62	54	95	76	59	12	0
	6.75%	4.62%	6.80%	6.59%	5.28%	8.90%	7.02%	9.23%	7.42%	5.86%	7.84%	5.31%	5.77%	6.00%	
Red Flag Computation 21	550	17	32	34	29	63	57	54	54	36	66	57	41	10	0
	5.15%	3.41%	4.95%	5.60%	4.50%	6.16%	6.25%	7.55%	6.46%	3.90%	5.45%	3.98%	4.01%	5.00%	
Red Flag Computation 22	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	
Red Flag Computation 23	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	
Red Flag Computation 24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	
Red Flag Computation 25	251	0	0	4	0	4	0	0	0	7	43	126	66	1	0
	2.35%	0.00%	0.00%	0.66%	0.00%	0.39%	0.00%	0.00%	0.00%	0.76%	3.55%	8.80%	6.45%	0.50%	
Red Flag Computation 26	304	3	15	13	3	19	16	15	1	5	41	119	48	6	0
	2.85%	0.60%	2.32%	2.14%	0.47%	1.86%	1.75%	2.10%	0.12%	0.54%	3.39%	8.31%	4.69%	3.00%	
Red Flag Computation 27	8	0	0	0	0	0	8	0	0	0	0	0	0	0	0
	0.07%	0.00%	0.00%	0.00%	0.00%	0.00%	0.88%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	
Red Flag Computation 28	38	0	0	0	0	0	10	8	10	8	2	0	0	0	0
	0.36%	0.00%	0.00%	0.00%	0.00%	0.00%	1.10%	1.12%	1.20%	0.87%	0.17%	0.00%	0.00%	0.00%	
Red Flag Computation 29	96	10	20	11	14	2	10	10	15	4	0	0	0	0	0
	0.90%	2.01%	3.09%	1.81%	2.17%	0.20%	1.10%	1.40%	1.79%	0.43%	0.00%	0.00%	0.00%	0.00%	
Red Flag Computation 30	663	41	54	50	52	62	53	68	85	54	51	41	41	11	0
	6.21%	8.23%	8.35%	8.24%	8.07%	6.06%	5.81%	9.51%	10.17%	5.86%	4.21%	2.86%	4.01%	5.50%	
Red Flag Computation 31	578	14	19	24	24	31	46	33	57	55	68	102	97	8	0
	5.42%	2.81%	2.94%	3.95%	3.73%	3.03%	5.04%	4.62%	6.82%	5.97%	5.62%	7.12%	9.48%	4.00%	
Red Flag Computation 32	61	4	7	8	12	13	7	1	3	1	1	4	0	0	0
	0.57%	0.80%	1.08%	1.32%	1.86%	1.27%	0.77%	0.14%	0.36%	0.11%	0.08%	0.28%	0.00%	0.00%	
Red Flag Computation 33	51	4	5	2	2	7	1	2	1	18	4	0	2	3	0
	0.48%	0.80%	0.77%	0.33%	0.31%	0.68%	0.11%	0.28%	0.12%	1.95%	0.33%	0.00%	0.20%	1.50%	
Red Flag Computation 34	111	0	0	1	3	3	4	0	8	8	26	34	20	4	0
	1.04%	0.00%	0.00%	0.16%	0.47%	0.29%	0.44%	0.00%	0.96%	0.87%	2.15%	2.37%	1.96%	2.00%	
Red Flag Computation 35	449	29	54	31	51	40	25	9	24	51	24	52	52	7	0
	4.21%	5.82%	8.35%	5.11%	7.92%	3.91%	2.74%	1.26%	2.87%	5.53%	1.98%	3.63%	5.08%	3.50%	
Red Flag Computation 36	706	49	45	23	38	123	123	39	30	66	51	53	51	15	0
	6.62%	9.84%	6.96%	3.79%	5.90%	12.02%	13.49%	5.45%	3.59%	7.16%	4.21%	3.70%	4.99%	7.50%	

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Wal-Mart Combination Red Flagged Prescriptions Summary
Trumbull County, OH
Red Flag Computation 1-43, in # of Prescriptions

	Total	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Total # of Combination Red Flagged Prescriptions	15,473	735	936	884	922	1,409	1,254	1,002	1,185	1,356	1,839	2,140	1,530	281	0
Total # of Combination Red Flagged Opioid Prescriptions	10,670	498	647	607	644	1,023	912	715	836	922	1,211	1,432	1,023	200	0
Red Flag Computation 37	100	0	0	0	12	24	24	17	12	11	0	0	0	0	0
	0.94%	0.00%	0.00%	0.00%	1.86%	2.35%	2.63%	2.38%	1.44%	1.19%	0.00%	0.00%	0.00%	0.00%	
Red Flag Computation 38	10,119	519	662	621	600	806	720	609	775	899	1,295	1,439	1,009	165	0
	65.40%	70.61%	70.73%	70.25%	65.08%	57.20%	57.42%	60.78%	65.40%	66.30%	70.42%	67.24%	65.95%	58.72%	
Red Flag Computation 39	808	24	63	61	81	93	88	27	12	78	108	108	58	7	0
	5.22%	3.27%	6.73%	6.90%	8.79%	6.60%	7.02%	2.69%	1.01%	5.75%	5.87%	5.05%	3.79%	2.49%	
Red Flag Computation 40	167	5	27	0	16	15	21	6	6	5	33	32	0	1	0
	1.57%	1.00%	4.17%	0.00%	2.48%	1.47%	2.30%	0.84%	0.72%	0.54%	2.73%	2.23%	0.00%	0.50%	
Red Flag Computation 41	3,212	193	250	218	171	204	212	192	260	213	395	459	392	53	0
	20.76%	26.26%	26.71%	24.66%	18.55%	14.48%	16.91%	19.16%	21.94%	15.71%	21.48%	21.45%	25.62%	18.86%	
Red Flag Computation 42	546	70	52	57	62	74	26	24	34	36	34	47	27	3	0
	3.53%	9.52%	5.56%	6.45%	6.72%	5.25%	2.07%	2.40%	2.87%	2.65%	1.85%	2.20%	1.76%	1.07%	
Red Flag Computation 43	114	30	23	27	1	15	9	5	1	3	0	0	0	0	0
	0.74%	4.08%	2.46%	3.05%	0.11%	1.06%	0.72%	0.50%	0.08%	0.22%	0.00%	0.00%	0.00%	0.00%	
Flagged for Any of the Red Flag Computation 1-43	15,473	735	936	884	922	1,409	1,254	1,002	1,185	1,356	1,839	2,140	1,530	281	0
	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	

Notes

Defendant	Date Range
CVS	January 1, 2006 to November 29, 2019
Giant Eagle/HBC	January 1, 2006 to December 3, 2019
Rite Aid	January 1, 2006 to November 19, 2019
Walgreens	January 3, 2006 to January 3, 2020
Wal-Mart	January 2, 2006 to April 25, 2018

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Wal-Mart Combination Red Flagged Prescriptions Summary
Trumbull County, OH
Red Flag Computation 1-43, in Dosage Units

	Total	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Total Dosage Units of Combination Red Flagged Prescriptions	1,216,885	59,334	74,810	62,707	64,165	97,203	88,895	71,242	95,700	109,675	156,591	182,755	131,983	21,825	0
Total Dosage Units of Combination Red Flagged Opioid Prescriptions	892,873	42,615	51,761	44,367	47,168	74,386	67,958	53,360	73,430	81,730	111,170	132,697	95,836	16,395	0
Red Flag Computation 1	48,991	1,580	1,538	2,334	2,585	3,826	4,910	3,210	5,136	4,463	6,508	7,171	4,172	1,558	0
	5.49%	3.71%	2.97%	5.26%	5.48%	5.14%	7.23%	6.02%	6.99%	5.46%	5.85%	5.40%	4.35%	9.50%	
Red Flag Computation 2	221,175	10,101	8,548	8,616	12,518	29,084	26,485	16,694	17,967	20,657	23,866	23,937	17,704	4,998	0
	24.77%	23.70%	16.51%	19.42%	26.54%	39.10%	38.97%	31.29%	24.47%	25.27%	21.47%	18.04%	18.47%	30.48%	
Red Flag Computation 3	124,044	8,219	8,541	7,292	5,449	12,518	8,231	9,871	11,739	11,734	16,923	15,438	6,884	1,205	0
	13.89%	19.29%	16.50%	16.44%	11.55%	16.83%	12.11%	18.50%	15.99%	14.36%	15.22%	11.63%	7.18%	7.35%	
Red Flag Computation 4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	
Red Flag Computation 5	170,727	5,352	12,723	10,485	12,999	15,110	13,467	8,715	7,310	14,448	21,467	25,861	19,728	3,062	0
	14.03%	9.02%	17.01%	16.72%	20.26%	15.54%	15.15%	12.23%	7.64%	13.17%	13.71%	14.15%	14.95%	14.03%	
Red Flag Computation 6	68,373	2,483	6,870	5,654	6,139	6,295	6,765	1,965	668	5,556	9,472	10,956	4,770	780	0
	5.62%	4.18%	9.18%	9.02%	9.57%	6.48%	7.61%	2.76%	0.70%	5.07%	6.05%	5.99%	3.61%	3.57%	
Red Flag Computation 7	804,275	40,604	49,523	38,663	37,561	51,958	48,113	43,040	62,078	74,246	116,860	131,769	96,102	13,758	0
	66.09%	68.43%	66.20%	61.66%	58.54%	53.45%	54.12%	60.41%	64.87%	67.70%	74.63%	72.10%	72.81%	63.04%	
Red Flag Computation 8	666,968	35,921	42,450	31,733	30,225	41,361	39,593	33,450	50,511	62,568	100,659	107,318	80,063	11,116	0
	54.81%	60.54%	56.74%	50.61%	47.11%	42.55%	44.54%	46.95%	52.78%	57.05%	64.28%	58.72%	60.66%	50.93%	
Red Flag Computation 9	27,603	4,450	4,465	567	1,018	1,922	826	436	2,976	622	2,966	5,468	1,767	120	0
	3.09%	10.44%	8.63%	1.28%	2.16%	2.58%	1.22%	0.82%	4.05%	0.76%	2.67%	4.12%	1.84%	0.73%	
Red Flag Computation 10	9,553	548	0	0	0	840	1,830	480	3,105	640	438	1,560	0	112	0
	1.07%	1.29%	0.00%	0.00%	0.00%	1.13%	2.69%	0.90%	4.23%	0.78%	0.39%	1.18%	0.00%	0.68%	
Red Flag Computation 11	9,553	548	0	0	0	840	1,830	480	3,105	640	438	1,560	0	112	0
	1.07%	1.29%	0.00%	0.00%	0.00%	1.13%	2.69%	0.90%	4.23%	0.78%	0.39%	1.18%	0.00%	0.68%	
Red Flag Computation 12	46,359	0	0	480	0	480	0	0	0	1,554	10,310	20,555	12,620	360	0
	5.19%	0.00%	0.00%	1.08%	0.00%	0.65%	0.00%	0.00%	0.00%	1.90%	9.27%	15.49%	13.17%	2.20%	
Red Flag Computation 13	32,892	180	776	1,530	240	1,055	1,036	446	240	744	5,710	14,015	6,200	720	0
	3.68%	0.42%	1.50%	3.45%	0.51%	1.42%	1.52%	0.84%	0.33%	0.91%	5.14%	10.56%	6.47%	4.39%	
Red Flag Computation 14	12,280	960	2,400	1,410	1,950	360	1,000	1,200	2,190	810	0	0	0	0	0
	1.38%	2.25%	4.64%	3.18%	4.13%	0.48%	1.47%	2.25%	2.98%	0.99%	0.00%	0.00%	0.00%	0.00%	
Red Flag Computation 15	196,999	11,666	15,985	9,653	10,478	12,942	12,737	13,798	24,621	19,094	22,434	23,622	17,673	2,296	0
	22.06%	27.38%	30.88%	21.76%	22.21%	17.40%	18.74%	25.86%	33.53%	23.36%	20.18%	17.80%	18.44%	14.00%	
Red Flag Computation 16	120,633	16,425	22,018	14,173	12,768	15,414	14,791	5,071	4,453	3,480	4,088	2,509	4,037	1,406	0
	13.51%	38.54%	42.54%	31.94%	27.07%	20.72%	21.76%	9.50%	6.06%	4.26%	3.68%	1.89%	4.21%	8.58%	
Red Flag Computation 17	163,177	5,124	3,062	6,887	8,806	21,398	17,424	10,520	11,812	14,826	20,321	21,835	16,514	4,648	0
	13.41%	8.64%	4.09%	10.98%	13.72%	22.01%	19.60%	14.77%	12.34%	13.52%	12.98%	11.95%	12.51%	21.30%	
Red Flag Computation 18	47,624	2,392	2,395	2,713	3,894	6,793	5,024	4,874	3,461	3,350	6,110	3,751	2,449	418	0
	5.33%	5.61%	4.63%	6.11%	8.26%	9.13%	7.39%	9.13%	4.71%	4.10%	5.50%	2.83%	2.56%	2.55%	

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Wal-Mart Combination Red Flagged Prescriptions Summary
Trumbull County, OH
Red Flag Computation 1-43, in Dosage Units

	Total	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Total Dosage Units of Combination Red Flagged Prescriptions	1,216,885	59,334	74,810	62,707	64,165	97,203	88,895	71,242	95,700	109,675	156,591	182,755	131,983	21,825	0
Total Dosage Units of Combination Red Flagged Opioid Prescriptions	892,873	42,615	51,761	44,367	47,168	74,386	67,958	53,360	73,430	81,730	111,170	132,697	95,836	16,395	0
Red Flag Computation 19	19,716	370	825	992	1,240	2,530	2,512	1,486	1,576	1,610	3,140	2,150	1,062	223	0
	2.21%	0.87%	1.59%	2.24%	2.63%	3.40%	3.70%	2.78%	2.15%	1.97%	2.82%	1.62%	1.11%	1.36%	
Red Flag Computation 20	40,046	1,240	1,985	2,503	1,850	4,279	3,905	3,248	3,110	3,690	5,651	4,745	3,241	599	0
	4.49%	2.91%	3.83%	5.64%	3.92%	5.75%	5.75%	6.09%	4.24%	4.51%	5.08%	3.58%	3.38%	3.65%	
Red Flag Computation 21	32,533	920	1,534	2,254	1,970	2,927	3,423	3,087	2,585	2,556	4,499	3,615	2,506	657	0
	3.64%	2.16%	2.96%	5.08%	4.18%	3.93%	5.04%	5.79%	3.52%	3.13%	4.05%	2.72%	2.61%	4.01%	
Red Flag Computation 22	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	
Red Flag Computation 23	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	
Red Flag Computation 24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	
Red Flag Computation 25	29,119	0	0	480	0	480	0	0	0	564	5,600	13,955	7,920	120	0
	3.26%	0.00%	0.00%	1.08%	0.00%	0.65%	0.00%	0.00%	0.00%	0.69%	5.04%	10.52%	8.26%	0.73%	
Red Flag Computation 26	30,702	180	776	1,530	240	1,055	1,036	446	120	324	5,110	13,445	5,720	720	0
	3.44%	0.42%	1.50%	3.45%	0.51%	1.42%	1.52%	0.84%	0.16%	0.40%	4.60%	10.13%	5.97%	4.39%	
Red Flag Computation 27	960	0	0	0	0	0	960	0	0	0	0	0	0	0	0
	0.11%	0.00%	0.00%	0.00%	0.00%	0.00%	1.41%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	
Red Flag Computation 28	4,530	0	0	0	0	0	1,200	960	1,200	960	210	0	0	0	0
	0.51%	0.00%	0.00%	0.00%	0.00%	0.00%	1.77%	1.80%	1.63%	1.17%	0.19%	0.00%	0.00%	0.00%	
Red Flag Computation 29	10,630	840	2,130	1,230	1,590	240	1,000	1,200	1,710	690	0	0	0	0	0
	1.19%	1.97%	4.12%	2.77%	3.37%	0.32%	1.47%	2.25%	2.33%	0.84%	0.00%	0.00%	0.00%	0.00%	
Red Flag Computation 30	62,928	3,525	4,986	4,597	5,122	6,200	4,449	5,600	9,168	6,673	4,715	3,723	3,290	880	0
	7.05%	8.27%	9.63%	10.36%	10.86%	8.33%	6.55%	10.49%	12.49%	8.16%	4.24%	2.81%	3.43%	5.37%	
Red Flag Computation 31	68,172	1,140	2,225	2,856	3,160	4,882	7,619	4,630	6,860	7,886	6,582	8,302	10,770	1,260	0
	7.64%	2.68%	4.30%	6.44%	6.70%	6.56%	11.21%	8.68%	9.34%	9.65%	5.92%	6.26%	11.24%	7.69%	
Red Flag Computation 32	7,150	320	870	1,180	1,420	1,400	840	0	240	100	270	510	0	0	0
	0.80%	0.75%	1.68%	2.66%	3.01%	1.88%	1.24%	0.00%	0.33%	0.12%	0.24%	0.38%	0.00%	0.00%	
Red Flag Computation 33	2,712	260	60	90	290	428	30	100	12	802	370	0	120	150	0
	0.30%	0.61%	0.12%	0.20%	0.61%	0.58%	0.04%	0.19%	0.02%	0.98%	0.33%	0.00%	0.13%	0.91%	
Red Flag Computation 34	12,556	0	0	100	208	340	388	0	900	638	3,090	4,110	2,400	382	0
	1.41%	0.00%	0.00%	0.23%	0.44%	0.46%	0.57%	0.00%	1.23%	0.78%	2.78%	3.10%	2.50%	2.33%	
Red Flag Computation 35	23,887	1,469	1,958	1,578	2,875	2,207	1,230	220	1,812	3,288	1,242	3,222	2,504	282	0
	2.68%	3.45%	3.78%	3.56%	6.10%	2.97%	1.81%	0.41%	2.47%	4.02%	1.12%	2.43%	2.61%	1.72%	
Red Flag Computation 36	45,713	4,175	4,501	1,225	2,216	7,382	6,985	2,472	3,210	4,740	2,062	3,061	3,018	666	0
	5.12%	9.80%	8.70%	2.76%	4.70%	9.92%	10.28%	4.63%	4.37%	5.80%	1.85%	2.31%	3.15%	4.06%	

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Wal-Mart Combination Red Flagged Prescriptions Summary
Trumbull County, OH
Red Flag Computation 1-43, in Dosage Units

	Total	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Total Dosage Units of Combination Red Flagged Prescriptions	1,216,885	59,334	74,810	62,707	64,165	97,203	88,895	71,242	95,700	109,675	156,591	182,755	131,983	21,825	0
Total Dosage Units of Combination Red Flagged Opioid Prescriptions	892,873	42,615	51,761	44,367	47,168	74,386	67,958	53,360	73,430	81,730	111,170	132,697	95,836	16,395	0
Red Flag Computation 37	11,410	0	0	0	1,320	3,150	3,100	1,680	1,080	1,080	0	0	0	0	0
	1.28%	0.00%	0.00%	0.00%	2.80%	4.23%	4.56%	3.15%	1.47%	1.32%	0.00%	0.00%	0.00%	0.00%	
Red Flag Computation 38	819,530	43,317	56,869	44,385	42,839	57,061	50,473	44,162	63,322	73,200	114,600	125,947	89,967	13,388	0
	67.35%	73.01%	76.02%	70.78%	66.76%	58.70%	56.78%	61.99%	66.17%	66.74%	73.18%	68.92%	68.17%	61.34%	
Red Flag Computation 39	67,631	2,483	6,870	5,654	6,139	6,295	6,765	1,965	668	5,404	9,232	10,816	4,770	570	0
	5.56%	4.18%	9.18%	9.02%	9.57%	6.48%	7.61%	2.76%	0.70%	4.93%	5.90%	5.92%	3.61%	2.61%	
Red Flag Computation 40	12,822	430	3,480	0	838	988	1,470	510	1,080	180	1,890	1,949	0	7	0
	1.44%	1.01%	6.72%	0.00%	1.78%	1.33%	2.16%	0.96%	1.47%	0.22%	1.70%	1.47%	0.00%	0.04%	
Red Flag Computation 41	286,556	18,383	23,302	15,776	13,678	17,022	17,529	16,564	23,799	19,802	35,715	42,625	37,624	4,737	0
	23.55%	30.98%	31.15%	25.16%	21.32%	17.51%	19.72%	23.25%	24.87%	18.06%	22.81%	23.32%	28.51%	21.70%	
Red Flag Computation 42	36,917	6,522	3,776	2,248	3,519	5,232	2,383	1,340	1,894	1,927	2,305	3,611	2,045	115	0
	3.03%	10.99%	5.05%	3.58%	5.48%	5.38%	2.68%	1.88%	1.98%	1.76%	1.47%	1.98%	1.55%	0.53%	
Red Flag Computation 43	6,736	2,397	1,354	1,170	60	880	460	285	12	118	0	0	0	0	0
	0.55%	4.04%	1.81%	1.87%	0.09%	0.91%	0.52%	0.40%	0.01%	0.11%	0.00%	0.00%	0.00%	0.00%	
Flagged for Any of the Red Flag Computation 1-43	1,216,885	59,334	74,810	62,707	64,165	97,203	88,895	71,242	95,700	109,675	156,591	182,755	131,983	21,825	0
	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	

Notes

Defendant	Date Range
CVS	January 1, 2006 to November 29, 2019
Giant Eagle/HBC	January 1, 2006 to December 3, 2019
Rite Aid	January 1, 2006 to November 19, 2019
Walgreens	January 3, 2006 to January 3, 2020
Wal-Mart	January 2, 2006 to April 25, 2018

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Wal-Mart Combination Red Flagged Prescriptions Summary
Trumbull County, OH
Red Flag Computation 1-43, in MME

	Total	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Total MME of Combination Red Flagged Prescriptions	10,162,108	455,561	531,773	493,418	480,863	744,389	647,414	591,236	1,019,628	915,232	1,330,700	1,595,958	1,154,857	201,083	0
Total MME of Combination Red Flagged Opioid Prescriptions	10,162,108	455,561	531,773	493,418	480,863	744,389	647,414	591,236	1,019,628	915,232	1,330,700	1,595,958	1,154,857	201,083	0
Red Flag Computation 1	492,737	11,700	11,878	17,255	17,350	33,285	42,358	35,204	45,730	41,208	79,753	84,903	51,145	20,970	0
	4.85%	2.57%	2.23%	3.50%	3.61%	4.47%	6.54%	5.95%	4.48%	4.50%	5.99%	5.32%	4.43%	10.43%	
Red Flag Computation 2	2,209,689	83,954	83,478	78,505	103,993	271,954	230,867	190,135	196,203	205,083	268,333	243,655	200,465	53,068	0
	21.74%	18.43%	15.70%	15.91%	21.63%	36.53%	35.66%	32.16%	19.24%	22.41%	20.16%	15.27%	17.36%	26.39%	
Red Flag Computation 3	1,710,914	124,088	134,188	144,785	95,820	178,580	84,364	155,498	134,755	148,186	216,750	216,235	63,950	13,715	0
	16.84%	27.24%	25.23%	29.34%	19.93%	23.99%	13.03%	26.30%	13.22%	16.19%	16.29%	13.55%	5.54%	6.82%	
Red Flag Computation 4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	
Red Flag Computation 5	1,052,420	64,015	53,245	50,450	64,508	67,015	68,803	42,525	73,613	96,265	128,308	179,773	143,465	20,438	0
	10.36%	14.05%	10.01%	10.22%	13.41%	9.00%	10.63%	7.19%	7.22%	10.52%	9.64%	11.26%	12.42%	10.16%	
Red Flag Computation 6	298,663	7,740	21,375	21,975	23,318	19,613	21,263	6,150	11,250	30,480	46,275	54,125	30,150	4,950	0
	2.94%	1.70%	4.02%	4.45%	4.85%	2.63%	3.28%	1.04%	1.10%	3.33%	3.48%	3.39%	2.61%	2.46%	
Red Flag Computation 7	6,010,075	292,395	270,863	224,970	241,743	385,023	337,398	307,758	594,043	533,003	919,751	1,050,088	738,599	114,445	0
	59.14%	64.18%	50.94%	45.59%	50.27%	51.72%	52.11%	52.05%	58.26%	58.24%	69.12%	65.80%	63.96%	56.91%	
Red Flag Computation 8	4,409,152	247,523	201,050	161,118	171,750	256,550	251,923	205,094	452,455	391,698	683,150	735,626	564,863	86,355	0
	43.39%	54.33%	37.81%	32.65%	35.72%	34.46%	38.91%	34.69%	44.37%	42.80%	51.34%	46.09%	48.91%	42.95%	
Red Flag Computation 9	348,102	34,500	33,568	3,908	13,200	26,325	6,575	7,530	61,155	7,627	40,535	84,030	26,900	2,250	0
	3.43%	7.57%	6.31%	0.79%	2.75%	3.54%	1.02%	1.27%	6.00%	0.83%	3.05%	5.27%	2.33%	1.12%	
Red Flag Computation 10	820,260	63,510	43,200	94,320	50,400	54,000	87,750	67,800	236,700	31,650	30,060	53,550	600	6,720	0
	8.07%	13.94%	8.12%	19.12%	10.48%	7.25%	13.55%	11.47%	23.21%	3.46%	2.26%	3.36%	0.05%	3.34%	
Red Flag Computation 11	820,260	63,510	43,200	94,320	50,400	54,000	87,750	67,800	236,700	31,650	30,060	53,550	600	6,720	0
	8.07%	13.94%	8.12%	19.12%	10.48%	7.25%	13.55%	11.47%	23.21%	3.46%	2.26%	3.36%	0.05%	3.34%	
Red Flag Computation 12	584,445	0	0	4,800	0	4,800	0	0	0	19,170	128,700	256,975	164,600	5,400	0
	5.75%	0.00%	0.00%	0.97%	0.00%	0.64%	0.00%	0.00%	0.00%	2.09%	9.67%	16.10%	14.25%	2.69%	
Red Flag Computation 13	395,335	1,350	6,925	12,750	1,800	9,875	7,260	3,130	3,600	8,620	72,050	176,725	80,450	10,800	0
	3.89%	0.30%	1.30%	2.58%	0.37%	1.33%	1.12%	0.53%	0.35%	0.94%	5.41%	11.07%	6.97%	5.37%	
Red Flag Computation 14	94,875	7,275	17,025	10,650	17,100	2,100	6,750	10,350	16,950	6,675	0	0	0	0	0
	0.93%	1.60%	3.20%	2.16%	3.56%	0.28%	1.04%	1.75%	1.66%	0.73%	0.00%	0.00%	0.00%	0.00%	
Red Flag Computation 15	3,135,044	178,260	228,100	192,240	154,610	165,058	174,559	235,781	484,410	270,845	354,122	393,913	266,955	36,193	0
	30.85%	39.13%	42.89%	38.96%	32.15%	22.17%	26.96%	39.88%	47.51%	29.59%	26.61%	24.68%	23.12%	18.00%	
Red Flag Computation 16	1,009,858	132,970	177,118	122,390	92,418	124,758	121,440	43,678	40,170	31,850	44,495	21,628	42,055	14,890	0
	9.94%	29.19%	33.31%	24.80%	19.22%	16.76%	18.76%	7.39%	3.94%	3.48%	3.34%	1.36%	3.64%	7.40%	
Red Flag Computation 17	1,428,124	38,173	30,188	49,668	59,755	167,956	115,950	94,623	125,798	142,945	201,413	187,635	168,790	45,233	0
	14.05%	8.38%	5.68%	10.07%	12.43%	22.56%	17.91%	16.00%	12.34%	15.62%	15.14%	11.76%	14.62%	22.49%	
Red Flag Computation 18	501,422	25,096	20,963	26,853	32,925	80,230	48,114	72,149	41,163	32,733	60,435	36,124	21,724	2,915	0
	4.93%	5.51%	3.94%	5.44%	6.85%	10.78%	7.43%	12.20%	4.04%	3.58%	4.54%	2.26%	1.88%	1.45%	

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Wal-Mart Combination Red Flagged Prescriptions Summary
Trumbull County, OH
Red Flag Computation 1-43, in MME

	Total	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Total MME of Combination Red Flagged Prescriptions	10,162,108	455,561	531,773	493,418	480,863	744,389	647,414	591,236	1,019,628	915,232	1,330,700	1,595,958	1,154,857	201,083	0
Total MME of Combination Red Flagged Opioid Prescriptions	10,162,108	455,561	531,773	493,418	480,863	744,389	647,414	591,236	1,019,628	915,232	1,330,700	1,595,958	1,154,857	201,083	0
Red Flag Computation 19	214,723	3,300	9,238	12,210	11,675	36,543	19,395	26,630	14,550	15,308	38,855	17,586	7,762	1,673	0
	2.11%	0.72%	1.74%	2.47%	2.43%	4.91%	3.00%	4.50%	1.43%	1.67%	2.92%	1.10%	0.67%	0.83%	
Red Flag Computation 20	475,084	16,000	51,288	37,710	25,815	61,608	37,030	47,095	28,585	37,890	60,610	41,223	25,199	5,033	0
	4.68%	3.51%	9.64%	7.64%	5.37%	8.28%	5.72%	7.97%	2.80%	4.14%	4.55%	2.58%	2.18%	2.50%	
Red Flag Computation 21	368,720	14,425	20,630	21,205	18,075	47,605	31,158	49,850	28,858	24,221	51,181	32,211	22,724	6,578	0
	3.63%	3.17%	3.88%	4.30%	3.76%	6.40%	4.81%	8.43%	2.83%	2.65%	3.85%	2.02%	1.97%	3.27%	
Red Flag Computation 22	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	
Red Flag Computation 23	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	
Red Flag Computation 24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	
Red Flag Computation 25	364,045	0	0	4,800	0	4,800	0	0	0	6,820	69,050	172,375	104,400	1,800	0
	3.58%	0.00%	0.00%	0.97%	0.00%	0.64%	0.00%	0.00%	0.00%	0.75%	5.19%	10.80%	9.04%	0.90%	
Red Flag Computation 26	369,385	1,350	6,925	12,750	1,800	9,875	7,260	3,130	1,800	3,820	65,450	169,975	74,450	10,800	0
	3.63%	0.30%	1.30%	2.58%	0.37%	1.33%	1.12%	0.53%	0.18%	0.42%	4.92%	10.65%	6.45%	5.37%	
Red Flag Computation 27	9,600	0	0	0	0	0	9,600	0	0	0	0	0	0	0	0
	0.09%	0.00%	0.00%	0.00%	0.00%	0.00%	1.48%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	
Red Flag Computation 28	44,100	0	0	0	0	0	12,000	9,600	10,800	9,600	2,100	0	0	0	0
	0.43%	0.00%	0.00%	0.00%	0.00%	0.00%	1.85%	1.62%	1.06%	1.05%	0.16%	0.00%	0.00%	0.00%	
Red Flag Computation 29	82,650	6,225	15,000	9,450	14,100	1,500	6,750	10,350	13,500	5,775	0	0	0	0	0
	0.81%	1.37%	2.82%	1.92%	2.93%	0.20%	1.04%	1.75%	1.32%	0.63%	0.00%	0.00%	0.00%	0.00%	
Red Flag Computation 30	779,310	37,725	52,675	58,538	62,340	72,738	48,958	85,814	131,243	76,954	59,068	38,923	39,998	14,340	0
	7.67%	8.28%	9.91%	11.86%	12.96%	9.77%	7.56%	14.51%	12.87%	8.41%	4.44%	2.44%	3.46%	7.13%	
Red Flag Computation 31	797,764	8,850	17,700	34,200	24,650	53,420	109,193	37,000	64,275	71,625	83,421	111,930	168,750	12,750	0
	7.85%	1.94%	3.33%	6.93%	5.13%	7.18%	16.87%	6.26%	6.30%	7.83%	6.27%	7.01%	14.61%	6.34%	
Red Flag Computation 32	58,995	2,520	6,375	6,750	9,080	11,380	8,100	120	1,320	750	8,100	4,500	0	0	0
	0.58%	0.55%	1.20%	1.37%	1.89%	1.53%	1.25%	0.02%	0.13%	0.08%	0.61%	0.28%	0.00%	0.00%	
Red Flag Computation 33	65,595	3,750	7,200	4,950	8,400	5,865	450	6,900	90	11,190	4,350	0	4,800	7,650	0
	0.65%	0.82%	1.35%	1.00%	1.75%	0.79%	0.07%	1.17%	0.01%	1.22%	0.33%	0.00%	0.42%	3.80%	
Red Flag Computation 34	164,278	0	0	750	1,560	2,550	4,710	0	34,200	7,715	29,250	54,450	25,013	4,080	0
	1.62%	0.00%	0.00%	0.15%	0.32%	0.34%	0.73%	0.00%	3.35%	0.84%	2.20%	3.41%	2.17%	2.03%	
Red Flag Computation 35	280,745	12,455	28,818	14,483	21,113	19,608	8,788	1,300	21,290	47,645	23,553	49,570	29,170	2,955	0
	2.76%	2.73%	5.42%	2.94%	4.39%	2.63%	1.36%	0.22%	2.09%	5.21%	1.77%	3.11%	2.53%	1.47%	
Red Flag Computation 36	420,495	30,360	40,655	12,745	19,690	63,188	63,328	22,375	32,925	41,873	20,380	34,195	33,268	5,515	0
	4.14%	6.66%	7.65%	2.58%	4.09%	8.49%	9.78%	3.78%	3.23%	4.58%	1.53%	2.14%	2.88%	2.74%	

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Wal-Mart Combination Red Flagged Prescriptions Summary
Trumbull County, OH
Red Flag Computation 1-43, in MME

	Total	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Total MME of Combination Red Flagged Prescriptions	10,162,108	455,561	531,773	493,418	480,863	744,389	647,414	591,236	1,019,628	915,232	1,330,700	1,595,958	1,154,857	201,083	0
Total MME of Combination Red Flagged Opioid Prescriptions	10,162,108	455,561	531,773	493,418	480,863	744,389	647,414	591,236	1,019,628	915,232	1,330,700	1,595,958	1,154,857	201,083	0
Red Flag Computation 37	69,900	0	0	0	7,950	20,700	20,550	9,900	5,400	5,400	0	0	0	0	0
	0.69%	0.00%	0.00%	0.00%	1.65%	2.78%	3.17%	1.67%	0.53%	0.59%	0.00%	0.00%	0.00%	0.00%	
Red Flag Computation 38	5,722,100	300,218	320,908	294,890	262,045	369,173	317,513	294,856	614,655	518,858	786,332	897,089	642,098	103,468	0
	56.31%	65.90%	60.35%	59.76%	54.49%	49.59%	49.04%	49.87%	60.28%	56.69%	59.09%	56.21%	55.60%	51.46%	
Red Flag Computation 39	292,993	7,740	21,375	21,975	23,318	19,613	21,263	6,150	11,250	29,640	44,475	52,445	30,150	3,600	0
	2.88%	1.70%	4.02%	4.45%	4.85%	2.63%	3.28%	1.04%	1.10%	3.24%	3.34%	3.29%	2.61%	1.79%	
Red Flag Computation 40	307,266	5,700	29,400	0	33,630	14,640	25,200	7,200	26,775	8,037	76,014	80,460	0	210	0
	3.02%	1.25%	5.53%	0.00%	6.99%	1.97%	3.89%	1.22%	2.63%	0.88%	5.71%	5.04%	0.00%	0.10%	
Red Flag Computation 41	2,218,618	145,075	179,305	157,235	109,515	127,648	122,458	99,058	246,135	143,405	244,770	313,476	292,575	37,965	0
	21.83%	31.85%	33.72%	31.87%	22.77%	17.15%	18.91%	16.75%	24.14%	15.67%	18.39%	19.64%	25.33%	18.88%	
Red Flag Computation 42	297,765	56,000	22,610	16,135	26,495	36,030	6,978	4,603	8,570	29,110	38,785	38,400	13,850	200	0
	2.93%	12.29%	4.25%	3.27%	5.51%	4.84%	1.08%	0.78%	0.84%	3.18%	2.91%	2.41%	1.20%	0.10%	
Red Flag Computation 43	39,738	13,323	9,525	6,075	0	5,550	3,150	1,875	60	180	0	0	0	0	0
	0.39%	2.92%	1.79%	1.23%	0.00%	0.75%	0.49%	0.32%	0.01%	0.02%	0.00%	0.00%	0.00%	0.00%	
Flagged for Any of the Red Flag Computation 1-43	10,162,108	455,561	531,773	493,418	480,863	744,389	647,414	591,236	1,019,628	915,232	1,330,700	1,595,958	1,154,857	201,083	0
	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	

Notes

Defendant	Date Range
CVS	January 1, 2006 to November 29, 2019
Giant Eagle/HBC	January 1, 2006 to December 3, 2019
Rite Aid	January 1, 2006 to November 19, 2019
Walgreens	January 3, 2006 to January 3, 2020
Wal-Mart	January 2, 2006 to April 25, 2018

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Walgreens Combination Red Flagged Prescriptions Summary
Lake County and Trumbull County, OH
Red Flag Computation 1-43, in # of Prescriptions

	Total	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Total # of Combination Red Flagged Prescriptions	226,843	4,923	14,098	16,319	18,354	21,907	23,594	20,121	17,982	16,675	19,623	18,218	14,174	11,323	9,532
Total # of Combination Red Flagged Opioid Prescriptions	175,609	3,905	11,164	13,032	14,342	16,896	18,185	15,390	13,744	12,777	15,257	14,028	10,805	8,679	7,405
Red Flag Computation 1	7,414	332	745	606	693	808	834	588	431	470	455	414	397	342	299
	4.22%	8.50%	6.67%	4.65%	4.83%	4.78%	4.59%	3.82%	3.14%	3.68%	2.98%	2.95%	3.67%	3.94%	4.04%
Red Flag Computation 2	37,066	1,113	2,713	2,674	2,881	3,410	3,653	3,135	2,845	2,837	3,229	2,908	2,202	1,811	1,655
	21.11%	28.50%	24.30%	20.52%	20.09%	20.18%	20.09%	20.37%	20.70%	22.20%	21.16%	20.73%	20.38%	20.87%	22.35%
Red Flag Computation 3	29,641	700	2,099	2,599	2,899	3,136	3,248	2,594	2,298	2,216	2,396	2,288	1,306	964	898
	16.88%	17.93%	18.80%	19.94%	20.21%	18.56%	17.86%	16.86%	16.72%	17.34%	15.70%	16.31%	12.09%	11.11%	12.13%
Red Flag Computation 4	20,385	609	1,442	1,715	1,954	2,116	2,115	1,844	2,139	1,555	1,725	1,334	869	616	352
	11.61%	15.60%	12.92%	13.16%	13.62%	12.52%	11.63%	11.98%	15.56%	12.17%	11.31%	9.51%	8.04%	7.10%	4.75%
Red Flag Computation 5	32,412	696	2,348	2,627	3,188	3,579	3,583	3,133	2,672	2,302	2,624	2,128	1,509	1,058	965
	14.29%	14.14%	16.65%	16.10%	17.37%	16.34%	15.19%	15.57%	14.86%	13.81%	13.37%	11.68%	10.65%	9.34%	10.12%
Red Flag Computation 6	8,901	201	813	844	1,080	994	1,007	971	640	582	621	443	291	194	220
	3.92%	4.08%	5.77%	5.17%	5.88%	4.54%	4.27%	4.83%	3.56%	3.49%	3.16%	2.43%	2.05%	1.71%	2.31%
Red Flag Computation 7	122,923	2,511	7,084	8,548	9,700	11,997	12,995	11,029	10,277	9,127	10,419	10,078	7,868	6,311	4,979
	54.19%	51.01%	50.25%	52.38%	52.85%	54.76%	55.08%	54.81%	57.15%	54.73%	53.10%	55.32%	55.51%	55.74%	52.23%
Red Flag Computation 8	82,719	1,522	4,380	5,091	6,092	7,924	8,816	7,675	6,888	6,292	6,987	6,991	5,757	4,661	3,643
	36.47%	30.92%	31.07%	31.20%	33.19%	36.17%	37.37%	38.14%	38.30%	37.73%	35.61%	38.37%	40.62%	41.16%	38.22%
Red Flag Computation 9	9,119	210	624	777	689	1,029	1,082	912	635	764	1,033	731	317	205	111
	5.19%	5.38%	5.59%	5.96%	4.80%	6.09%	5.95%	5.93%	4.62%	5.98%	6.77%	5.21%	2.93%	2.36%	1.50%
Red Flag Computation 10	15,135	234	765	1,245	1,185	1,625	2,110	1,780	879	683	633	538	301	212	2,945
	8.62%	5.99%	6.85%	9.55%	8.26%	9.62%	11.60%	11.57%	6.40%	5.35%	4.15%	3.84%	2.79%	2.44%	39.77%
Red Flag Computation 11	12,899	234	765	1,245	1,185	1,625	2,110	1,780	879	683	633	538	301	212	709
	7.35%	5.99%	6.85%	9.55%	8.26%	9.62%	11.60%	11.57%	6.40%	5.35%	4.15%	3.84%	2.79%	2.44%	9.57%
Red Flag Computation 12	27,230	218	532	638	1,152	1,830	2,718	2,319	1,618	1,893	3,608	3,594	3,177	2,345	1,588
	15.51%	5.58%	4.77%	4.90%	8.03%	10.83%	14.95%	15.07%	11.77%	14.82%	23.65%	25.62%	29.40%	27.02%	21.44%
Red Flag Computation 13	10,193	101	245	248	452	736	1,067	977	529	680	1,390	1,427	1,048	735	558
	5.80%	2.59%	2.19%	1.90%	3.15%	4.36%	5.87%	6.35%	3.85%	5.32%	9.11%	10.17%	9.70%	8.47%	7.54%
Red Flag Computation 14	2,224	116	264	319	337	364	367	222	165	70	0	0	0	0	0
	1.27%	2.97%	2.36%	2.45%	2.35%	2.15%	2.02%	1.44%	1.20%	0.55%	0.00%	0.00%	0.00%	0.00%	0.00%
Red Flag Computation 15	71,048	1,593	5,446	6,829	7,193	7,963	8,118	6,552	5,438	4,664	5,326	4,495	3,086	2,368	1,977
	40.46%	40.79%	48.78%	52.40%	50.15%	47.13%	44.64%	42.57%	39.57%	36.50%	34.91%	32.04%	28.56%	27.28%	26.70%
Red Flag Computation 16	8,772	499	1,181	1,188	918	951	954	710	647	381	361	214	264	332	172
	5.00%	12.78%	10.58%	9.12%	6.40%	5.63%	5.25%	4.61%	4.71%	2.98%	2.37%	1.53%	2.44%	3.83%	2.32%
Red Flag Computation 17	25,692	830	1,999	1,909	2,053	2,349	2,459	2,280	1,890	1,896	2,109	1,890	1,564	1,292	1,172
	11.33%	16.86%	14.18%	11.70%	11.19%	10.72%	10.42%	11.33%	10.51%	11.37%	10.75%	10.37%	11.03%	11.41%	12.30%
Red Flag Computation 18	10,117	268	714	774	789	940	989	864	827	821	931	843	531	409	417
	5.76%	6.86%	6.40%	5.94%	5.50%	5.56%	5.44%	5.61%	6.02%	6.43%	6.10%	6.01%	4.91%	4.71%	5.63%

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Walgreens Combination Red Flagged Prescriptions Summary
Lake County and Trumbull County, OH
Red Flag Computation 1-43, in # of Prescriptions

	Total	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Total # of Combination Red Flagged Prescriptions	226,843	4,923	14,098	16,319	18,354	21,907	23,594	20,121	17,982	16,675	19,623	18,218	14,174	11,323	9,532
Total # of Combination Red Flagged Opioid Prescriptions	175,609	3,905	11,164	13,032	14,342	16,896	18,185	15,390	13,744	12,777	15,257	14,028	10,805	8,679	7,405
Red Flag Computation 19	5,088	101	369	367	465	469	516	507	392	374	443	456	272	166	191
	2.90%	2.59%	3.31%	2.82%	3.24%	2.78%	2.84%	3.29%	2.85%	2.93%	2.90%	3.25%	2.52%	1.91%	2.58%
Red Flag Computation 20	15,686	389	1,153	1,435	1,433	1,617	1,670	1,529	1,167	1,139	1,206	1,224	725	479	520
	8.93%	9.96%	10.33%	11.01%	9.99%	9.57%	9.18%	9.94%	8.49%	8.91%	7.90%	8.73%	6.71%	5.52%	7.02%
Red Flag Computation 21	10,497	265	772	934	897	1,012	1,190	1,139	937	815	771	779	446	251	289
	5.98%	6.79%	6.92%	7.17%	6.25%	5.99%	6.54%	7.40%	6.82%	6.38%	5.05%	5.55%	4.13%	2.89%	3.90%
Red Flag Computation 22	505	27	42	49	58	50	41	39	27	30	45	34	31	26	6
	0.29%	0.69%	0.38%	0.38%	0.40%	0.30%	0.23%	0.25%	0.20%	0.23%	0.29%	0.24%	0.29%	0.30%	0.08%
Red Flag Computation 23	664	33	60	58	84	60	49	41	33	43	62	49	47	39	6
	0.38%	0.85%	0.54%	0.45%	0.59%	0.36%	0.27%	0.27%	0.24%	0.34%	0.41%	0.35%	0.43%	0.45%	0.08%
Red Flag Computation 24	29,538	748	2,108	2,458	2,663	3,022	3,072	2,705	3,024	2,330	2,515	1,977	1,364	985	567
	16.82%	19.15%	18.88%	18.86%	18.57%	17.89%	16.89%	17.58%	22.00%	18.24%	16.48%	14.09%	12.62%	11.35%	7.66%
Red Flag Computation 25	18,328	146	338	396	767	1,196	1,858	1,552	1,043	1,281	2,488	2,515	2,151	1,534	1,063
	10.44%	3.74%	3.03%	3.04%	5.35%	7.08%	10.22%	10.08%	7.59%	10.03%	16.31%	17.93%	19.91%	17.67%	14.36%
Red Flag Computation 26	9,191	90	226	228	417	655	970	866	497	621	1,219	1,261	955	678	508
	5.23%	2.30%	2.02%	1.75%	2.91%	3.88%	5.33%	5.63%	3.62%	4.86%	7.99%	8.99%	8.84%	7.81%	6.86%
Red Flag Computation 27	2	0	0	2	0	0	0	0	0	0	0	0	0	0	0
	0.00%	0.00%	0.00%	0.02%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Red Flag Computation 28	76	0	0	5	22	5	6	1	0	4	16	3	0	6	8
	0.04%	0.00%	0.00%	0.04%	0.15%	0.03%	0.03%	0.01%	0.00%	0.03%	0.10%	0.02%	0.00%	0.07%	0.11%
Red Flag Computation 29	1,731	87	216	253	256	281	289	165	126	58	0	0	0	0	0
	0.99%	2.23%	1.93%	1.94%	1.78%	1.66%	1.59%	1.07%	0.92%	0.45%	0.00%	0.00%	0.00%	0.00%	0.00%
Red Flag Computation 30	9,299	282	879	1,049	1,031	1,243	1,165	802	645	501	469	396	322	259	256
	5.30%	7.22%	7.87%	8.05%	7.19%	7.36%	6.41%	5.21%	4.69%	3.92%	3.07%	2.82%	2.98%	2.98%	3.46%
Red Flag Computation 31	10,094	39	624	694	929	929	947	722	699	834	1,232	997	582	418	448
	5.75%	1.00%	5.59%	5.33%	6.48%	5.50%	5.21%	4.69%	5.09%	6.53%	8.07%	7.11%	5.39%	4.82%	6.05%
Red Flag Computation 32	812	55	97	127	94	118	105	68	54	30	13	14	22	7	8
	0.46%	1.41%	0.87%	0.97%	0.66%	0.70%	0.58%	0.44%	0.39%	0.23%	0.09%	0.10%	0.20%	0.08%	0.11%
Red Flag Computation 33	7,136	193	471	791	694	1,016	1,135	722	463	367	443	307	180	180	174
	4.06%	4.94%	4.22%	6.07%	4.84%	6.01%	6.24%	4.69%	3.37%	2.87%	2.90%	2.19%	1.67%	2.07%	2.35%
Red Flag Computation 34	2,062	18	28	60	79	109	120	150	115	143	319	320	233	196	172
	1.17%	0.46%	0.25%	0.46%	0.55%	0.65%	0.66%	0.97%	0.84%	1.12%	2.09%	2.28%	2.16%	2.26%	2.32%
Red Flag Computation 35	24,377	652	2,020	2,059	1,936	2,445	2,312	2,028	1,678	1,475	1,831	1,607	1,438	1,445	1,451
	13.88%	16.70%	18.09%	15.80%	13.50%	14.47%	12.71%	13.18%	12.21%	11.54%	12.00%	11.46%	13.31%	16.65%	19.59%
Red Flag Computation 36	12,942	408	809	764	997	1,344	1,516	1,217	975	949	1,251	1,040	636	543	493
	7.37%	10.45%	7.25%	5.86%	6.95%	7.95%	8.34%	7.91%	7.09%	7.43%	8.20%	7.41%	5.89%	6.26%	6.66%

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Walgreens Combination Red Flagged Prescriptions Summary
Lake County and Trumbull County, OH
Red Flag Computation 1-43, in # of Prescriptions

	Total	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Total # of Combination Red Flagged Prescriptions	226,843	4,923	14,098	16,319	18,354	21,907	23,594	20,121	17,982	16,675	19,623	18,218	14,174	11,323	9,532
Total # of Combination Red Flagged Opioid Prescriptions	175,609	3,905	11,164	13,032	14,342	16,896	18,185	15,390	13,744	12,777	15,257	14,028	10,805	8,679	7,405
Red Flag Computation 37	275	14	32	48	25	17	14	14	14	16	27	17	17	17	3
	0.16%	0.36%	0.29%	0.37%	0.17%	0.10%	0.08%	0.09%	0.10%	0.13%	0.18%	0.12%	0.16%	0.20%	0.04%
Red Flag Computation 38	107,073	2,137	6,118	6,995	8,452	10,677	11,561	10,023	8,962	8,018	8,989	8,621	6,857	5,367	4,296
	47.20%	43.41%	43.40%	42.86%	46.05%	48.74%	49.00%	49.81%	49.84%	48.08%	45.81%	47.32%	48.38%	47.40%	45.07%
Red Flag Computation 39	8,577	189	790	815	1,046	973	976	936	606	559	600	424	278	175	210
	3.78%	3.84%	5.60%	4.99%	5.70%	4.44%	4.14%	4.65%	3.37%	3.35%	3.06%	2.33%	1.96%	1.55%	2.20%
Red Flag Computation 40	5,171	170	425	842	701	838	641	405	297	222	154	141	118	115	102
	2.94%	4.35%	3.81%	6.46%	4.89%	4.96%	3.52%	2.63%	2.16%	1.74%	1.01%	1.01%	1.09%	1.33%	1.38%
Red Flag Computation 41	45,449	760	2,576	3,020	3,641	4,708	4,907	4,798	3,768	3,108	3,423	3,459	3,021	2,306	1,954
	20.04%	15.44%	18.27%	18.51%	19.84%	21.49%	20.80%	23.85%	20.95%	18.64%	17.44%	18.99%	21.31%	20.37%	20.50%
Red Flag Computation 42	14,589	423	1,223	1,353	1,475	1,937	1,578	1,237	1,228	989	968	775	486	398	519
	6.43%	8.59%	8.67%	8.29%	8.04%	8.84%	6.69%	6.15%	6.83%	5.93%	4.93%	4.25%	3.43%	3.51%	5.44%
Red Flag Computation 43	219	16	54	65	6	15	38	2	18	5	0	0	0	0	0
	0.10%	0.33%	0.38%	0.40%	0.03%	0.07%	0.16%	0.01%	0.10%	0.03%	0.00%	0.00%	0.00%	0.00%	0.00%
Flagged for Any of the Red Flag Computation 1-43	226,843	4,923	14,098	16,319	18,354	21,907	23,594	20,121	17,982	16,675	19,623	18,218	14,174	11,323	9,532
	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%

Notes

Defendant	Date Range
CVS	January 1, 2006 to November 29, 2019
Giant Eagle/HBC	January 1, 2006 to December 3, 2019
Rite Aid	January 1, 2006 to November 19, 2019
Walgreens	January 3, 2006 to January 3, 2020
Wal-Mart	January 2, 2006 to April 25, 2018

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Walgreens Combination Red Flagged Prescriptions Summary
Lake County and Trumbull County, OH
Red Flag Computation 1-43, in Dosage Units

	Total	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Total Dosage Units of Combination Red Flagged Prescriptions	17,670,525	336,702	1,002,134	1,237,532	1,468,405	1,758,286	1,926,999	1,658,293	1,371,438	1,273,278	1,508,615	1,406,854	1,121,622	886,026	714,341
Total Dosage Units of Combination Red Flagged Opioid Prescriptions	14,269,722	272,414	818,506	1,021,133	1,200,102	1,430,195	1,574,680	1,348,593	1,101,456	1,006,366	1,211,073	1,121,239	890,559	700,711	572,695
Red Flag Computation 1	600,521	22,642	47,241	43,292	62,833	75,974	76,113	55,787	34,597	36,635	32,608	27,293	33,394	27,453	24,659
	4.21%	8.31%	5.77%	4.24%	5.24%	5.31%	4.83%	4.14%	3.14%	3.64%	2.69%	2.43%	3.75%	3.92%	4.31%
Red Flag Computation 2	2,670,169	70,576	167,327	192,795	225,947	264,485	278,681	253,528	206,458	188,369	214,183	194,817	158,689	136,873	117,441
	18.71%	25.91%	20.44%	18.88%	18.83%	18.49%	17.70%	18.80%	18.74%	18.72%	17.69%	17.38%	17.82%	19.53%	20.51%
Red Flag Computation 3	1,989,891	41,543	131,243	169,607	206,325	227,781	225,658	176,906	152,288	145,584	161,746	151,128	86,941	61,205	51,936
	13.94%	15.25%	16.03%	16.61%	17.19%	15.93%	14.33%	13.12%	13.83%	14.47%	13.36%	13.48%	9.76%	8.73%	9.07%
Red Flag Computation 4	1,624,045	42,404	106,037	124,361	145,972	167,309	170,946	159,300	176,514	128,279	137,111	108,900	74,461	51,780	30,671
	11.38%	15.57%	12.95%	12.18%	12.16%	11.70%	10.86%	11.81%	16.03%	12.75%	11.32%	9.71%	8.36%	7.39%	5.36%
Red Flag Computation 5	2,503,620	55,172	174,941	206,620	249,571	277,128	281,568	252,293	206,076	173,927	197,139	163,011	113,273	82,638	70,263
	14.17%	16.39%	17.46%	16.70%	17.00%	15.76%	14.61%	15.21%	15.03%	13.66%	13.07%	11.59%	10.10%	9.33%	9.84%
Red Flag Computation 6	719,647	17,413	63,341	68,723	87,643	78,708	81,598	77,018	49,713	44,795	51,852	36,501	24,433	18,081	19,828
	4.07%	5.17%	6.32%	5.55%	5.97%	4.48%	4.23%	4.64%	3.62%	3.52%	3.44%	2.59%	2.18%	2.04%	2.78%
Red Flag Computation 7	9,580,765	178,244	504,796	645,199	748,366	944,301	1,040,167	901,005	788,114	718,387	825,087	784,679	627,181	498,294	376,945
	54.22%	52.94%	50.37%	52.14%	50.96%	53.71%	53.98%	54.33%	57.47%	56.42%	54.69%	55.78%	55.92%	56.24%	52.77%
Red Flag Computation 8	6,659,621	110,787	313,770	399,573	480,607	627,945	713,492	626,526	538,693	520,859	588,062	575,570	483,016	390,400	290,321
	37.69%	32.90%	31.31%	32.29%	32.73%	35.71%	37.03%	37.78%	39.28%	40.91%	38.98%	40.91%	43.06%	44.06%	40.64%
Red Flag Computation 9	868,099	17,099	56,836	86,944	73,445	113,151	114,065	102,382	61,768	60,141	76,822	51,854	23,821	18,680	11,091
	6.08%	6.28%	6.94%	8.51%	6.12%	7.91%	7.24%	7.59%	5.61%	5.98%	6.34%	4.62%	2.67%	2.67%	1.94%
Red Flag Computation 10	1,590,608	19,573	67,969	120,774	117,261	171,838	247,475	225,968	93,609	74,087	70,551	53,602	35,849	28,034	264,018
	11.15%	7.19%	8.30%	11.83%	9.77%	12.02%	15.72%	16.76%	8.50%	7.36%	5.83%	4.78%	4.03%	4.00%	46.10%
Red Flag Computation 11	1,385,652	19,573	67,969	120,774	117,261	171,838	247,475	225,968	93,609	74,087	70,551	53,602	35,849	28,034	59,062
	9.71%	7.19%	8.30%	11.83%	9.77%	12.02%	15.72%	16.76%	8.50%	7.36%	5.83%	4.78%	4.03%	4.00%	10.31%
Red Flag Computation 12	2,884,651	23,257	69,209	86,004	157,235	229,296	348,867	297,305	168,130	175,333	329,975	343,404	299,558	211,691	145,387
	20.22%	8.54%	8.46%	8.42%	13.10%	16.03%	22.15%	22.05%	15.26%	17.42%	27.25%	30.63%	33.64%	30.21%	25.39%
Red Flag Computation 13	1,158,914	11,481	32,384	32,510	64,877	100,524	150,868	133,656	55,439	69,294	138,175	144,082	101,687	71,946	51,991
	8.12%	4.21%	3.96%	3.18%	5.41%	7.03%	9.58%	9.91%	5.03%	6.89%	11.41%	12.85%	11.42%	10.27%	9.08%
Red Flag Computation 14	206,739	10,720	23,653	29,097	30,504	36,252	36,840	18,128	14,820	6,725	0	0	0	0	0
	1.45%	3.94%	2.89%	2.85%	2.54%	2.53%	2.34%	1.34%	1.35%	0.67%	0.00%	0.00%	0.00%	0.00%	0.00%
Red Flag Computation 15	5,992,733	121,686	431,401	568,913	626,307	707,463	725,945	600,291	460,460	386,431	427,552	348,033	251,029	187,858	149,364
	42.00%	44.67%	52.71%	55.71%	52.19%	49.47%	46.10%	44.51%	41.80%	38.40%	35.30%	31.04%	28.19%	26.81%	26.08%
Red Flag Computation 16	520,760	29,091	70,488	77,944	54,061	64,022	66,620	39,944	30,375	17,531	18,236	10,223	13,610	20,235	8,380
	3.65%	10.68%	8.61%	7.63%	4.50%	4.48%	4.23%	2.96%	2.76%	1.74%	1.51%	0.91%	1.53%	2.89%	1.46%
Red Flag Computation 17	1,953,861	55,261	129,637	142,357	157,372	186,033	197,810	191,780	145,706	138,691	163,045	144,998	115,306	100,049	85,816
	11.06%	16.41%	12.94%	11.50%	10.72%	10.58%	10.27%	11.56%	10.62%	10.89%	10.81%	10.31%	10.28%	11.29%	12.01%
Red Flag Computation 18	520,717	12,861	34,144	42,274	45,876	53,325	54,267	46,035	43,393	40,665	45,741	39,787	26,401	18,350	17,598
	3.65%	4.72%	4.17%	4.14%	3.82%	3.73%	3.45%	3.41%	3.94%	4.04%	3.78%	3.55%	2.96%	2.62%	3.07%

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Walgreens Combination Red Flagged Prescriptions Summary
Lake County and Trumbull County, OH
Red Flag Computation 1-43, in Dosage Units

	Total	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Total Dosage Units of Combination Red Flagged Prescriptions	17,670,525	336,702	1,002,134	1,237,532	1,468,405	1,758,286	1,926,999	1,658,293	1,371,438	1,273,278	1,508,615	1,406,854	1,121,622	886,026	714,341
Total Dosage Units of Combination Red Flagged Opioid Prescriptions	14,269,722	272,414	818,506	1,021,133	1,200,102	1,430,195	1,574,680	1,348,593	1,101,456	1,006,366	1,211,073	1,121,239	890,559	700,711	572,695
Red Flag Computation 19	268,148	4,720	18,499	20,606	27,281	27,592	28,246	26,390	20,522	18,737	22,226	23,205	13,908	8,321	7,895
	1.88%	1.73%	2.26%	2.02%	2.27%	1.93%	1.79%	1.96%	1.86%	1.86%	1.84%	2.07%	1.56%	1.19%	1.38%
Red Flag Computation 20	827,587	18,147	58,932	79,772	84,055	96,177	92,107	78,742	58,864	57,696	61,576	60,286	36,554	22,612	22,067
	5.80%	6.66%	7.20%	7.81%	7.00%	6.72%	5.85%	5.84%	5.34%	5.73%	5.08%	5.38%	4.10%	3.23%	3.85%
Red Flag Computation 21	539,044	12,381	41,979	53,435	48,554	56,659	61,486	56,866	45,656	40,011	38,307	36,357	21,534	12,504	13,315
	3.78%	4.54%	5.13%	5.23%	4.05%	3.96%	3.90%	4.22%	4.15%	3.98%	3.16%	3.24%	2.42%	1.78%	2.32%
Red Flag Computation 22	28,544	1,389	1,645	3,177	3,059	2,981	2,555	2,306	2,033	2,166	1,965	1,670	2,034	1,307	257
	0.20%	0.51%	0.20%	0.31%	0.25%	0.21%	0.16%	0.17%	0.18%	0.22%	0.16%	0.15%	0.23%	0.19%	0.04%
Red Flag Computation 23	41,827	1,719	2,558	4,562	6,152	3,598	3,671	2,640	2,626	2,867	3,070	2,696	3,258	2,130	280
	0.29%	0.63%	0.31%	0.45%	0.51%	0.25%	0.23%	0.20%	0.24%	0.28%	0.25%	0.24%	0.37%	0.30%	0.05%
Red Flag Computation 24	2,190,518	48,268	142,068	173,505	192,694	225,618	234,131	216,163	233,213	177,086	186,185	144,893	102,437	71,848	42,409
	15.35%	17.72%	17.36%	16.99%	16.06%	15.78%	14.87%	16.03%	21.17%	17.60%	15.37%	12.92%	11.50%	10.25%	7.41%
Red Flag Computation 25	1,989,552	15,775	45,710	54,123	107,999	156,965	240,944	203,646	110,291	120,802	235,541	245,767	205,801	144,659	101,529
	13.94%	5.79%	5.58%	5.30%	9.00%	10.98%	15.30%	15.10%	10.01%	12.00%	19.45%	21.92%	23.11%	20.64%	17.73%
Red Flag Computation 26	1,047,595	9,889	30,220	29,742	60,717	89,850	136,234	118,873	52,355	62,378	121,302	127,812	93,453	66,761	48,009
	7.34%	3.63%	3.69%	2.91%	5.06%	6.28%	8.65%	8.81%	4.75%	6.20%	10.02%	11.40%	10.49%	9.53%	8.38%
Red Flag Computation 27	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Red Flag Computation 28	8,437	0	0	314	2,228	570	747	224	0	270	2,140	264	0	720	960
	0.06%	0.00%	0.00%	0.03%	0.19%	0.04%	0.05%	0.02%	0.00%	0.03%	0.18%	0.02%	0.00%	0.10%	0.17%
Red Flag Computation 29	155,036	8,010	19,089	22,374	21,932	26,761	28,078	13,067	10,360	5,365	0	0	0	0	0
	1.09%	2.94%	2.33%	2.19%	1.83%	1.87%	1.78%	0.97%	0.94%	0.53%	0.00%	0.00%	0.00%	0.00%	0.00%
Red Flag Computation 30	792,506	21,332	73,094	89,344	93,249	117,036	102,034	67,863	50,349	42,839	37,831	30,230	25,410	20,583	21,312
	5.55%	7.83%	8.93%	8.75%	7.77%	8.18%	6.48%	5.03%	4.57%	4.26%	3.12%	2.70%	2.85%	2.94%	3.72%
Red Flag Computation 31	1,078,988	4,335	65,266	81,481	105,406	112,664	113,874	90,324	81,255	78,539	106,297	86,911	61,584	45,431	45,621
	7.56%	1.59%	7.97%	7.98%	8.78%	7.88%	7.23%	6.70%	7.38%	7.80%	8.78%	7.75%	6.92%	6.48%	7.97%
Red Flag Computation 32	76,281	3,650	9,398	13,084	9,368	13,946	14,282	5,124	1,287	1,723	944	460	1,360	980	675
	0.53%	1.34%	1.15%	1.28%	0.78%	0.98%	0.91%	0.38%	0.12%	0.17%	0.08%	0.04%	0.15%	0.14%	0.12%
Red Flag Computation 33	400,788	8,988	25,743	51,640	44,973	58,836	72,720	40,617	20,982	18,207	23,584	13,292	7,708	7,026	6,472
	2.81%	3.30%	3.15%	5.06%	3.75%	4.11%	4.62%	3.01%	1.90%	1.81%	1.95%	1.19%	0.87%	1.00%	1.13%
Red Flag Computation 34	195,306	2,020	5,152	8,209	9,187	9,882	12,337	14,718	9,158	10,855	27,948	28,952	22,297	17,678	16,913
	1.37%	0.74%	0.63%	0.80%	0.77%	0.69%	0.78%	1.09%	0.83%	1.08%	2.31%	2.58%	2.50%	2.52%	2.95%
Red Flag Computation 35	1,436,573	36,426	123,033	130,094	123,521	153,486	149,776	131,953	100,273	93,511	107,358	83,062	74,063	64,882	65,135
	10.07%	13.37%	15.03%	12.74%	10.29%	10.73%	9.51%	9.78%	9.10%	9.29%	8.86%	7.41%	8.32%	9.26%	11.37%
Red Flag Computation 36	958,641	25,330	49,363	55,998	87,863	113,738	125,741	108,370	70,828	57,942	68,192	61,946	46,599	45,402	41,329
	6.72%	9.30%	6.03%	5.48%	7.32%	7.95%	7.99%	8.04%	6.43%	5.76%	5.63%	5.52%	5.23%	6.48%	7.22%

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Walgreens Combination Red Flagged Prescriptions Summary
Lake County and Trumbull County, OH
Red Flag Computation 1-43, in Dosage Units

	Total	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Total Dosage Units of Combination Red Flagged Prescriptions	17,670,525	336,702	1,002,134	1,237,532	1,468,405	1,758,286	1,926,999	1,658,293	1,371,438	1,273,278	1,508,615	1,406,854	1,121,622	886,026	714,341
Total Dosage Units of Combination Red Flagged Opioid Prescriptions	14,269,722	272,414	818,506	1,021,133	1,200,102	1,430,195	1,574,680	1,348,593	1,101,456	1,006,366	1,211,073	1,121,239	890,559	700,711	572,695
Red Flag Computation 37	40,422	1,357	4,809	6,650	4,350	3,710	3,150	2,460	1,355	1,840	3,955	2,809	3,082	805	90
	0.28%	0.50%	0.59%	0.65%	0.36%	0.26%	0.20%	0.18%	0.12%	0.18%	0.33%	0.25%	0.35%	0.11%	0.02%
Red Flag Computation 38	8,640,108	156,132	446,419	549,636	683,655	857,723	945,349	826,409	708,671	660,920	741,736	705,073	567,254	448,758	342,373
	48.90%	46.37%	44.55%	44.41%	46.56%	48.78%	49.06%	49.83%	51.67%	51.91%	49.17%	50.12%	50.57%	50.65%	47.93%
Red Flag Computation 39	691,178	16,281	61,436	65,834	84,023	77,145	78,858	74,108	47,014	43,239	49,802	34,856	23,318	16,374	18,890
	3.91%	4.84%	6.13%	5.32%	5.72%	4.39%	4.09%	4.47%	3.43%	3.40%	3.30%	2.48%	2.08%	1.85%	2.64%
Red Flag Computation 40	410,309	11,686	29,628	74,203	58,539	73,775	55,982	36,289	19,539	12,961	11,508	7,372	6,564	6,716	5,547
	2.88%	4.29%	3.62%	7.27%	4.88%	5.16%	3.56%	2.69%	1.77%	1.29%	0.95%	0.66%	0.74%	0.96%	0.97%
Red Flag Computation 41	3,875,881	60,850	203,268	251,080	309,853	374,900	409,202	410,417	309,592	273,954	301,775	310,088	276,845	212,832	171,225
	21.93%	18.07%	20.28%	20.29%	21.10%	21.32%	21.24%	24.75%	22.57%	21.52%	20.00%	22.04%	24.68%	24.02%	23.97%
Red Flag Computation 42	947,426	26,455	73,776	93,950	99,006	124,918	107,805	88,155	82,329	66,521	62,561	44,807	30,398	20,583	26,162
	5.36%	7.86%	7.36%	7.59%	6.74%	7.10%	5.59%	5.32%	6.00%	5.22%	4.15%	3.18%	2.71%	2.32%	3.66%
Red Flag Computation 43	12,312	630	2,151	4,374	340	1,172	2,015	24	1,160	446	0	0	0	0	0
	0.07%	0.19%	0.21%	0.35%	0.02%	0.07%	0.10%	0.00%	0.08%	0.04%	0.00%	0.00%	0.00%	0.00%	0.00%
Flagged for Any of the Red Flag Computation 1-43	17,670,525	336,702	1,002,134	1,237,532	1,468,405	1,758,286	1,926,999	1,658,293	1,371,438	1,273,278	1,508,615	1,406,854	1,121,622	886,026	714,341
	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%

Notes

Defendant	Date Range
CVS	January 1, 2006 to November 29, 2019
Giant Eagle/HBC	January 1, 2006 to December 3, 2019
Rite Aid	January 1, 2006 to November 19, 2019
Walgreens	January 3, 2006 to January 3, 2020
Wal-Mart	January 2, 2006 to April 25, 2018

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Walgreens Combination Red Flagged Prescriptions Summary
Lake County and Trumbull County, OH
Red Flag Computation 1-43, in MME

	Total	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Total MME of Combination Red Flagged Prescriptions	268,089,901	5,162,454	16,273,090	22,926,500	23,775,442	29,083,268	33,642,930	28,244,634	20,144,693	17,335,710	19,988,922	17,894,808	13,777,682	10,973,941	8,865,827
Total MME of Combination Red Flagged Opioid Prescriptions	268,089,901	5,162,454	16,273,090	22,926,500	23,775,442	29,083,268	33,642,930	28,244,634	20,144,693	17,335,710	19,988,922	17,894,808	13,777,682	10,973,941	8,865,827
Red Flag Computation 1	11,242,942	342,617	813,039	890,379	1,032,332	1,624,647	1,910,579	1,398,079	544,768	516,690	532,366	415,380	467,463	427,087	327,519
	4.19%	6.64%	5.00%	3.88%	4.34%	5.59%	5.68%	4.95%	2.70%	2.98%	2.66%	2.32%	3.39%	3.89%	3.69%
Red Flag Computation 2	50,129,438	1,530,996	3,641,689	4,095,423	4,169,520	5,671,784	5,948,190	5,189,339	3,759,667	3,198,244	3,744,424	3,151,021	2,323,848	1,977,979	1,727,314
	18.70%	29.66%	22.38%	17.86%	17.54%	19.50%	17.68%	18.37%	18.66%	18.45%	18.73%	17.61%	16.87%	18.02%	19.48%
Red Flag Computation 3	36,394,175	852,201	2,367,682	3,649,382	3,963,460	4,466,009	4,299,333	3,082,435	2,813,833	2,497,069	2,490,722	2,556,035	1,345,716	1,110,761	899,536
	13.58%	16.51%	14.55%	15.92%	16.67%	15.36%	12.78%	10.91%	13.97%	14.40%	12.46%	14.28%	9.77%	10.12%	10.15%
Red Flag Computation 4	37,414,348	1,048,027	2,710,153	3,670,025	3,828,141	3,953,115	4,529,652	4,155,723	3,707,695	2,586,674	2,557,173	1,953,564	1,287,160	907,146	520,100
	13.96%	20.30%	16.65%	16.01%	16.10%	13.59%	13.46%	14.71%	18.41%	14.92%	12.79%	10.92%	9.34%	8.27%	5.87%
Red Flag Computation 5	28,704,094	577,430	1,910,228	2,361,797	2,859,574	3,203,613	3,843,255	3,200,316	2,546,084	1,832,911	2,066,225	1,610,074	1,023,126	899,718	769,744
	10.71%	11.19%	11.74%	10.30%	12.03%	11.02%	11.42%	11.33%	12.64%	10.57%	10.34%	9.00%	7.43%	8.20%	8.68%
Red Flag Computation 6	6,588,467	125,243	456,372	464,229	698,603	769,691	959,555	910,173	467,849	384,749	484,478	291,203	163,458	177,608	235,260
	2.46%	2.43%	2.80%	2.02%	2.94%	2.65%	2.85%	3.22%	2.32%	2.22%	2.42%	1.63%	1.19%	1.62%	2.65%
Red Flag Computation 7	126,048,308	2,272,099	6,945,347	10,689,089	10,295,589	12,989,597	15,344,009	13,548,858	10,358,439	8,372,239	9,713,791	9,019,244	6,810,183	5,483,539	4,206,287
	47.02%	44.01%	42.68%	46.62%	43.30%	44.66%	45.61%	47.97%	51.42%	48.29%	48.60%	50.40%	49.43%	49.97%	47.44%
Red Flag Computation 8	74,712,462	1,101,210	3,382,037	5,348,157	5,311,866	7,548,617	8,959,844	7,988,907	5,996,240	5,342,129	6,137,005	5,854,117	4,781,129	3,990,971	2,970,234
	27.87%	21.33%	20.78%	23.33%	22.34%	25.96%	26.63%	28.28%	29.77%	30.82%	30.70%	32.71%	34.70%	36.37%	33.50%
Red Flag Computation 9	18,385,095	307,258	1,084,067	2,077,327	1,566,311	2,785,260	2,682,396	2,285,694	1,256,188	1,163,416	1,316,791	928,683	427,232	318,989	185,485
	6.86%	5.95%	6.66%	9.06%	6.59%	9.58%	7.97%	8.09%	6.24%	6.71%	6.59%	5.19%	3.10%	2.91%	2.09%
Red Flag Computation 10	89,398,446	1,566,531	5,347,491	8,957,513	8,227,826	11,585,629	14,878,395	12,625,818	5,727,020	4,237,425	3,947,435	2,959,547	1,860,987	1,488,668	5,988,164
	33.35%	30.34%	32.86%	39.07%	34.61%	39.84%	44.22%	44.70%	28.43%	24.44%	19.75%	16.54%	13.51%	13.57%	67.54%
Red Flag Computation 11	86,089,633	1,566,531	5,347,491	8,957,513	8,227,826	11,585,629	14,878,395	12,625,818	5,727,020	4,237,425	3,947,435	2,959,547	1,860,987	1,488,668	2,679,351
	32.11%	30.34%	32.86%	39.07%	34.61%	39.84%	44.22%	44.70%	28.43%	24.44%	19.75%	16.54%	13.51%	13.57%	30.22%
Red Flag Computation 12	37,928,901	246,245	745,820	1,106,005	1,557,285	3,241,200	6,470,495	5,378,769	1,906,440	1,870,150	3,758,368	3,912,818	3,527,008	2,468,518	1,739,783
	14.15%	4.77%	4.58%	4.82%	6.55%	11.14%	19.23%	19.04%	9.46%	10.79%	18.80%	21.87%	25.60%	22.49%	19.62%
Red Flag Computation 13	14,143,876	109,255	357,365	391,985	581,285	1,237,540	2,221,010	1,964,209	608,780	753,248	1,580,728	1,644,395	1,226,855	835,645	631,578
	5.28%	2.12%	2.20%	1.71%	2.44%	4.26%	6.60%	6.95%	3.02%	4.35%	7.91%	9.19%	8.90%	7.61%	7.12%
Red Flag Computation 14	1,595,909	66,700	176,075	221,218	222,188	287,585	298,267	142,191	123,789	57,898	0	0	0	0	0
	0.60%	1.29%	1.08%	0.96%	0.93%	0.99%	0.89%	0.50%	0.61%	0.33%	0.00%	0.00%	0.00%	0.00%	0.00%
Red Flag Computation 15	152,781,246	3,149,253	10,806,543	16,505,314	16,298,224	18,492,877	20,581,734	16,367,386	11,436,657	9,071,103	9,755,994	7,765,326	5,366,401	4,118,745	3,065,691
	56.99%	61.00%	66.41%	71.99%	68.55%	63.59%	61.18%	57.95%	56.77%	52.33%	48.81%	43.39%	38.95%	37.53%	34.58%
Red Flag Computation 16	8,964,918	397,093	1,177,799	1,535,518	774,213	1,292,152	1,199,427	798,811	562,364	239,755	251,447	127,199	209,715	274,469	124,960
	3.34%	7.69%	7.24%	6.70%	3.26%	4.44%	3.57%	2.83%	2.79%	1.38%	1.26%	0.71%	1.52%	2.50%	1.41%
Red Flag Computation 17	34,407,439	1,122,077	2,748,027	2,957,919	2,665,204	3,745,951	4,008,367	3,624,430	2,489,598	2,169,824	2,674,063	2,194,964	1,583,563	1,328,504	1,094,951
	12.83%	21.74%	16.89%	12.90%	11.21%	12.88%	11.91%	12.83%	12.36%	12.52%	13.38%	12.27%	11.49%	12.11%	12.35%
Red Flag Computation 18	7,541,626	217,579	431,387	597,997	761,395	795,370	944,546	697,720	684,407	546,564	545,535	513,231	320,577	207,732	277,588
	2.81%	4.21%	2.65%	2.61%	3.20%	2.73%	2.81%	2.47%	3.40%	3.15%	2.73%	2.87%	2.33%	1.89%	3.13%

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Walgreens Combination Red Flagged Prescriptions Summary
Lake County and Trumbull County, OH
Red Flag Computation 1-43, in MME

	Total	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Total MME of Combination Red Flagged Prescriptions	268,089,901	5,162,454	16,273,090	22,926,500	23,775,442	29,083,268	33,642,930	28,244,634	20,144,693	17,335,710	19,988,922	17,894,808	13,777,682	10,973,941	8,865,827
Total MME of Combination Red Flagged Opioid Prescriptions	268,089,901	5,162,454	16,273,090	22,926,500	23,775,442	29,083,268	33,642,930	28,244,634	20,144,693	17,335,710	19,988,922	17,894,808	13,777,682	10,973,941	8,865,827
Red Flag Computation 19	4,278,575	76,003	267,304	339,311	471,847	481,481	521,226	356,311	379,048	267,283	242,937	346,481	204,631	105,875	218,837
	1.60%	1.47%	1.64%	1.48%	1.98%	1.66%	1.55%	1.26%	1.88%	1.54%	1.22%	1.94%	1.49%	0.96%	2.47%
Red Flag Computation 20	13,953,785	347,178	981,959	1,542,339	1,469,777	1,731,792	1,637,358	1,202,720	975,449	936,408	835,754	1,039,411	546,699	310,126	396,818
	5.20%	6.73%	6.03%	6.73%	6.18%	5.95%	4.87%	4.26%	4.84%	5.40%	4.18%	5.81%	3.97%	2.83%	4.48%
Red Flag Computation 21	8,338,292	210,084	739,178	998,820	767,814	779,178	960,955	845,478	770,113	577,732	538,437	557,862	247,966	170,045	174,633
	3.11%	4.07%	4.54%	4.36%	3.23%	2.68%	2.86%	2.99%	3.82%	3.33%	2.69%	3.12%	1.80%	1.55%	1.97%
Red Flag Computation 22	588,904	27,960	19,177	86,525	60,140	87,155	65,583	45,200	41,403	39,290	54,425	21,525	19,910	11,865	8,748
	0.22%	0.54%	0.12%	0.38%	0.25%	0.30%	0.19%	0.16%	0.21%	0.23%	0.27%	0.12%	0.14%	0.11%	0.10%
Red Flag Computation 23	858,874	37,690	32,418	115,196	112,604	104,605	106,504	33,450	71,470	58,874	81,690	44,825	34,275	22,725	2,550
	0.32%	0.73%	0.20%	0.50%	0.47%	0.36%	0.32%	0.12%	0.35%	0.34%	0.41%	0.25%	0.25%	0.21%	0.03%
Red Flag Computation 24	47,700,054	1,050,414	3,268,620	4,644,574	4,653,326	5,084,178	5,799,790	5,740,432	4,688,402	3,457,189	3,222,182	2,491,614	1,684,281	1,187,027	728,024
	17.79%	20.35%	20.09%	20.26%	19.57%	17.48%	17.24%	20.32%	23.27%	19.94%	16.12%	13.92%	12.22%	10.82%	8.21%
Red Flag Computation 25	25,087,805	169,498	472,758	649,660	1,021,495	2,064,065	4,086,960	3,438,993	1,226,523	1,288,495	2,633,435	2,755,660	2,389,098	1,671,548	1,219,620
	9.36%	3.28%	2.91%	2.83%	4.30%	7.10%	12.15%	12.18%	6.09%	7.43%	13.17%	15.40%	17.34%	15.23%	13.76%
Red Flag Computation 26	12,698,147	97,635	339,095	359,333	540,933	1,108,365	1,972,953	1,736,614	566,165	671,583	1,381,108	1,448,130	1,112,358	776,038	587,840
	4.74%	1.89%	2.08%	1.57%	2.28%	3.81%	5.86%	6.15%	2.81%	3.87%	6.91%	8.09%	8.07%	7.07%	6.63%
Red Flag Computation 27	400	0	0	400	0	0	0	0	0	0	0	0	0	0	0
	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Red Flag Computation 28	186,973	0	0	2,530	32,740	16,200	6,953	1,680	0	1,350	85,800	1,920	0	10,800	27,000
	0.07%	0.00%	0.00%	0.01%	0.14%	0.06%	0.02%	0.01%	0.00%	0.01%	0.43%	0.01%	0.00%	0.10%	0.30%
Red Flag Computation 29	1,191,039	50,017	141,760	170,115	159,685	207,240	230,552	99,730	86,068	45,873	0	0	0	0	0
	0.44%	0.97%	0.87%	0.74%	0.67%	0.71%	0.69%	0.35%	0.43%	0.26%	0.00%	0.00%	0.00%	0.00%	0.00%
Red Flag Computation 30	13,344,316	347,668	1,297,739	1,773,841	1,538,378	1,982,449	1,788,006	1,105,100	814,738	599,162	593,901	482,498	356,213	341,848	322,777
	4.98%	6.73%	7.97%	7.74%	6.47%	6.82%	5.31%	3.91%	4.04%	3.46%	2.97%	2.70%	2.59%	3.12%	3.64%
Red Flag Computation 31	18,065,015	73,875	1,166,601	1,507,938	1,707,931	1,742,740	1,869,785	1,633,858	1,311,366	1,184,106	1,874,708	1,523,125	1,050,155	745,903	672,925
	6.74%	1.43%	7.17%	6.58%	7.18%	5.99%	5.56%	5.78%	6.51%	6.83%	9.38%	8.51%	7.62%	6.80%	7.59%
Red Flag Computation 32	1,496,942	45,217	132,771	202,635	103,445	304,328	349,450	184,182	50,054	51,450	20,390	12,480	13,010	18,070	9,460
	0.56%	0.88%	0.82%	0.88%	0.44%	1.05%	1.04%	0.65%	0.25%	0.30%	0.10%	0.07%	0.09%	0.16%	0.11%
Red Flag Computation 33	18,556,743	356,159	874,460	2,523,604	2,031,323	2,950,452	3,987,701	2,161,573	916,016	751,412	925,694	521,298	226,238	177,722	153,095
	6.92%	6.90%	5.37%	11.01%	8.54%	10.14%	11.85%	7.65%	4.55%	4.33%	4.63%	2.91%	1.64%	1.62%	1.73%
Red Flag Computation 34	4,141,745	22,350	57,548	175,214	320,463	272,298	446,507	468,585	299,543	281,020	500,393	461,963	303,422	262,028	270,414
	1.54%	0.43%	0.35%	0.76%	1.35%	0.94%	1.33%	1.66%	1.49%	1.62%	2.50%	2.58%	2.20%	2.39%	3.05%
Red Flag Computation 35	34,505,812	819,085	2,882,662	3,396,322	3,171,410	3,779,684	4,533,528	3,743,169	2,346,550	2,311,274	2,468,023	1,634,671	1,293,951	1,022,292	1,103,193
	12.87%	15.87%	17.71%	14.81%	13.34%	13.00%	13.48%	13.25%	11.65%	13.33%	12.35%	9.13%	9.39%	9.32%	12.44%
Red Flag Computation 36	18,331,781	532,946	1,085,130	1,216,485	1,476,634	2,629,534	2,790,770	2,283,812	1,338,484	912,513	1,180,524	933,925	690,054	655,459	605,512
	6.84%	10.32%	6.67%	5.31%	6.21%	9.04%	8.30%	8.09%	6.64%	5.26%	5.91%	5.22%	5.01%	5.97%	6.83%

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Walgreens Combination Red Flagged Prescriptions Summary
Lake County and Trumbull County, OH
Red Flag Computation 1-43, in MME

	Total	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Total MME of Combination Red Flagged Prescriptions	268,089,901	5,162,454	16,273,090	22,926,500	23,775,442	29,083,268	33,642,930	28,244,634	20,144,693	17,335,710	19,988,922	17,894,808	13,777,682	10,973,941	8,865,827
Total MME of Combination Red Flagged Opioid Prescriptions	268,089,901	5,162,454	16,273,090	22,926,500	23,775,442	29,083,268	33,642,930	28,244,634	20,144,693	17,335,710	19,988,922	17,894,808	13,777,682	10,973,941	8,865,827
Red Flag Computation 37	469,813	10,178	36,128	50,595	38,910	35,325	23,550	30,125	21,000	27,375	62,563	52,545	68,995	12,075	450
	0.18%	0.20%	0.22%	0.22%	0.16%	0.12%	0.07%	0.11%	0.10%	0.16%	0.31%	0.29%	0.50%	0.11%	0.01%
Red Flag Computation 38	100,109,121	1,734,583	5,169,353	7,433,894	7,929,279	10,898,884	12,279,046	10,605,256	8,116,705	6,866,262	7,720,320	7,301,316	5,727,221	4,755,211	3,571,792
	37.34%	33.60%	31.77%	32.42%	33.35%	37.47%	36.50%	37.55%	40.29%	39.61%	38.62%	40.80%	41.57%	43.33%	40.29%
Red Flag Computation 39	6,260,075	108,163	431,847	436,924	658,913	757,121	933,830	860,485	448,399	367,829	453,878	270,128	151,758	160,913	219,890
	2.34%	2.10%	2.65%	1.91%	2.77%	2.60%	2.78%	3.05%	2.23%	2.12%	2.27%	1.51%	1.10%	1.47%	2.48%
Red Flag Computation 40	17,384,893	339,895	959,043	3,369,080	2,703,409	3,418,447	2,583,655	1,361,339	855,625	489,425	434,760	226,858	269,245	219,995	154,118
	6.48%	6.58%	5.89%	14.70%	11.37%	11.75%	7.68%	4.82%	4.25%	2.82%	2.18%	1.27%	1.95%	2.00%	1.74%
Red Flag Computation 41	50,115,543	743,204	2,511,267	3,805,965	4,061,438	5,412,921	6,180,188	5,469,595	4,050,729	3,236,770	3,582,028	3,546,797	2,995,827	2,549,812	1,969,003
	18.69%	14.40%	15.43%	16.60%	17.08%	18.61%	18.37%	19.37%	20.11%	18.67%	17.92%	19.82%	21.74%	23.24%	22.21%
Red Flag Computation 42	13,954,385	389,481	914,082	1,546,094	1,390,480	1,726,113	1,814,739	1,439,418	1,212,105	898,780	851,229	670,936	457,576	267,078	376,276
	5.21%	7.54%	5.62%	6.74%	5.85%	5.94%	5.39%	5.10%	6.02%	5.18%	4.26%	3.75%	3.32%	2.43%	4.24%
Red Flag Computation 43	192,021	6,090	22,451	102,067	1,813	14,160	27,770	60	16,810	800	0	0	0	0	0
	0.07%	0.12%	0.14%	0.45%	0.01%	0.05%	0.08%	0.00%	0.08%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Flagged for Any of the Red Flag Computation 1-43	268,089,901	5,162,454	16,273,090	22,926,500	23,775,442	29,083,268	33,642,930	28,244,634	20,144,693	17,335,710	19,988,922	17,894,808	13,777,682	10,973,941	8,865,827
	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%

Notes

Defendant	Date Range
CVS	January 1, 2006 to November 29, 2019
Giant Eagle/HBC	January 1, 2006 to December 3, 2019
Rite Aid	January 1, 2006 to November 19, 2019
Walgreens	January 3, 2006 to January 3, 2020
Wal-Mart	January 2, 2006 to April 25, 2018

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Walgreens Combination Red Flagged Prescriptions Summary
Lake County, OH
Red Flag Computation 1-43, in # of Prescriptions

	Total	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Total # of Combination Red Flagged Prescriptions	98,134	3,301	8,570	8,903	9,290	10,630	10,672	8,113	6,840	6,218	6,945	6,457	4,897	3,859	3,439
Total # of Combination Red Flagged Opioid Prescriptions	80,894	2,725	7,051	7,399	7,670	8,576	8,637	6,631	5,591	4,981	5,739	5,405	4,166	3,377	2,946
Red Flag Computation 1	4,269	232	465	316	400	461	490	352	220	248	255	246	251	185	148
	5.28%	8.51%	6.59%	4.27%	5.22%	5.38%	5.67%	5.31%	3.93%	4.98%	4.44%	4.55%	6.02%	5.48%	5.02%
Red Flag Computation 2	20,438	767	1,663	1,553	1,606	1,858	2,162	1,820	1,460	1,483	1,731	1,555	1,129	870	781
	25.27%	28.15%	23.59%	20.99%	20.94%	21.67%	25.03%	27.45%	26.11%	29.77%	30.16%	28.77%	27.10%	25.76%	26.51%
Red Flag Computation 3	13,398	515	1,450	1,453	1,448	1,549	1,470	958	830	739	865	891	514	364	352
	16.56%	18.90%	20.56%	19.64%	18.88%	18.06%	17.02%	14.45%	14.85%	14.84%	15.07%	16.48%	12.34%	10.78%	11.95%
Red Flag Computation 4	11,273	506	1,142	1,173	1,289	1,320	1,165	893	977	620	681	616	429	292	170
	13.94%	18.57%	16.20%	15.85%	16.81%	15.39%	13.49%	13.47%	17.47%	12.45%	11.87%	11.40%	10.30%	8.65%	5.77%
Red Flag Computation 5	14,747	436	1,361	1,415	1,722	1,929	1,615	1,174	1,034	1,030	1,064	754	537	317	359
	15.03%	13.21%	15.88%	15.89%	18.54%	18.15%	15.13%	14.47%	15.12%	16.56%	15.32%	11.68%	10.97%	8.21%	10.44%
Red Flag Computation 6	3,244	115	373	335	402	418	391	291	168	193	214	110	110	46	78
	3.31%	3.48%	4.35%	3.76%	4.33%	3.93%	3.66%	3.59%	2.46%	3.10%	3.08%	1.70%	2.25%	1.19%	2.27%
Red Flag Computation 7	47,286	1,535	3,964	4,331	4,446	5,315	5,305	3,848	3,568	3,203	3,355	3,121	2,172	1,619	1,504
	48.19%	46.50%	46.25%	48.65%	47.86%	50.00%	49.71%	47.43%	52.16%	51.51%	48.31%	48.34%	44.35%	41.95%	43.73%
Red Flag Computation 8	24,782	823	2,126	2,150	2,089	2,812	3,045	2,196	1,823	1,705	1,624	1,562	1,141	838	848
	25.25%	24.93%	24.81%	24.15%	22.49%	26.45%	28.53%	27.07%	26.65%	27.42%	23.38%	24.19%	23.30%	21.72%	24.66%
Red Flag Computation 9	3,281	142	364	317	308	492	513	403	254	113	92	96	75	59	53
	4.06%	5.21%	5.16%	4.28%	4.02%	5.74%	5.94%	6.08%	4.54%	2.27%	1.60%	1.78%	1.80%	1.75%	1.80%
Red Flag Computation 10	3,916	161	361	416	393	384	374	235	185	125	140	111	48	45	938
	4.84%	5.91%	5.12%	5.62%	5.12%	4.48%	4.33%	3.54%	3.31%	2.51%	2.44%	2.05%	1.15%	1.33%	31.84%
Red Flag Computation 11	3,196	161	361	416	393	384	374	235	185	125	140	111	48	45	218
	3.95%	5.91%	5.12%	5.62%	5.12%	4.48%	4.33%	3.54%	3.31%	2.51%	2.44%	2.05%	1.15%	1.33%	7.40%
Red Flag Computation 12	9,309	209	456	439	753	950	1,037	881	436	386	681	811	878	815	577
	11.51%	7.67%	6.47%	5.93%	9.82%	11.08%	12.01%	13.29%	7.80%	7.75%	11.87%	15.00%	21.08%	24.13%	19.59%
Red Flag Computation 13	3,329	90	212	150	298	388	453	467	130	75	148	208	250	218	242
	4.12%	3.30%	3.01%	2.03%	3.89%	4.52%	5.24%	7.04%	2.33%	1.51%	2.58%	3.85%	6.00%	6.46%	8.21%
Red Flag Computation 14	638	52	91	102	99	104	106	41	28	15	0	0	0	0	0
	0.79%	1.91%	1.29%	1.38%	1.29%	1.21%	1.23%	0.62%	0.50%	0.30%	0.00%	0.00%	0.00%	0.00%	0.00%
Red Flag Computation 15	33,494	1,198	3,618	3,902	4,001	4,044	3,534	2,639	2,126	1,647	1,825	1,657	1,313	1,014	976
	41.40%	43.96%	51.31%	52.74%	52.16%	47.15%	40.92%	39.80%	38.03%	33.07%	31.80%	30.66%	31.52%	30.03%	33.13%
Red Flag Computation 16	4,737	306	636	671	475	471	551	350	330	225	235	142	132	139	74
	5.86%	11.23%	9.02%	9.07%	6.19%	5.49%	6.38%	5.28%	5.90%	4.52%	4.09%	2.63%	3.17%	4.12%	2.51%
Red Flag Computation 17	13,775	545	1,261	1,160	1,129	1,261	1,392	1,307	971	920	1,022	945	788	562	512
	14.04%	16.51%	14.71%	13.03%	12.15%	11.86%	13.04%	16.11%	14.20%	14.80%	14.72%	14.64%	16.09%	14.56%	14.89%
Red Flag Computation 18	5,217	201	439	445	412	463	550	410	352	383	464	430	271	215	182
	6.45%	7.38%	6.23%	6.01%	5.37%	5.40%	6.37%	6.18%	6.30%	7.69%	8.09%	7.96%	6.51%	6.37%	6.18%

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Walgreens Combination Red Flagged Prescriptions Summary
Lake County, OH
Red Flag Computation 1-43, in # of Prescriptions

	Total	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Total # of Combination Red Flagged Prescriptions	98,134	3,301	8,570	8,903	9,290	10,630	10,672	8,113	6,840	6,218	6,945	6,457	4,897	3,859	3,439
Total # of Combination Red Flagged Opioid Prescriptions	80,894	2,725	7,051	7,399	7,670	8,576	8,637	6,631	5,591	4,981	5,739	5,405	4,166	3,377	2,946
Red Flag Computation 19	2,584	76	241	197	265	217	283	229	164	163	220	228	135	81	85
	3.19%	2.79%	3.42%	2.66%	3.46%	2.53%	3.28%	3.45%	2.93%	3.27%	3.83%	4.22%	3.24%	2.40%	2.89%
Red Flag Computation 20	8,543	327	874	880	843	891	913	717	563	516	606	656	350	182	225
	10.56%	12.00%	12.40%	11.89%	10.99%	10.39%	10.57%	10.81%	10.07%	10.36%	10.56%	12.14%	8.40%	5.39%	7.64%
Red Flag Computation 21	5,986	214	578	584	554	623	731	573	439	386	378	426	239	112	149
	7.40%	7.85%	8.20%	7.89%	7.22%	7.26%	8.46%	8.64%	7.85%	7.75%	6.59%	7.88%	5.74%	3.32%	5.06%
Red Flag Computation 22	318	20	39	36	41	29	24	13	18	18	26	19	15	17	3
	0.39%	0.73%	0.55%	0.49%	0.53%	0.34%	0.28%	0.20%	0.32%	0.36%	0.45%	0.35%	0.36%	0.50%	0.10%
Red Flag Computation 23	433	23	58	41	70	43	25	16	22	26	34	26	21	24	4
	0.54%	0.84%	0.82%	0.55%	0.91%	0.50%	0.29%	0.24%	0.39%	0.52%	0.59%	0.48%	0.50%	0.71%	0.14%
Red Flag Computation 24	17,509	607	1,672	1,733	1,812	1,961	1,856	1,399	1,509	1,098	1,190	1,110	751	517	294
	21.64%	22.28%	23.71%	23.42%	23.62%	22.87%	21.49%	21.10%	26.99%	22.04%	20.74%	20.54%	18.03%	15.31%	9.98%
Red Flag Computation 25	6,206	142	296	282	528	649	763	626	268	257	435	513	550	504	393
	7.67%	5.21%	4.20%	3.81%	6.88%	7.57%	8.83%	9.44%	4.79%	5.16%	7.58%	9.49%	13.20%	14.92%	13.34%
Red Flag Computation 26	3,050	80	197	143	278	351	411	413	127	72	132	188	231	199	228
	3.77%	2.94%	2.79%	1.93%	3.62%	4.09%	4.76%	6.23%	2.27%	1.45%	2.30%	3.48%	5.54%	5.89%	7.74%
Red Flag Computation 27	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Red Flag Computation 28	24	0	0	1	2	4	6	1	0	4	2	2	0	0	2
	0.03%	0.00%	0.00%	0.01%	0.03%	0.05%	0.07%	0.02%	0.00%	0.08%	0.03%	0.04%	0.00%	0.00%	0.07%
Red Flag Computation 29	517	41	74	79	77	88	85	33	26	14	0	0	0	0	0
	0.64%	1.50%	1.05%	1.07%	1.00%	1.03%	0.98%	0.50%	0.47%	0.28%	0.00%	0.00%	0.00%	0.00%	0.00%
Red Flag Computation 30	4,207	181	483	494	472	572	476	303	202	180	203	182	183	135	141
	5.20%	6.64%	6.85%	6.68%	6.15%	6.67%	5.51%	4.57%	3.61%	3.61%	3.54%	3.37%	4.39%	4.00%	4.79%
Red Flag Computation 31	3,817	17	386	403	500	463	448	281	201	157	221	192	191	160	197
	4.72%	0.62%	5.47%	5.45%	6.52%	5.40%	5.19%	4.24%	3.60%	3.15%	3.85%	3.55%	4.58%	4.74%	6.69%
Red Flag Computation 32	462	35	69	86	72	40	40	18	28	21	10	12	19	4	8
	0.57%	1.28%	0.98%	1.16%	0.94%	0.47%	0.46%	0.27%	0.50%	0.42%	0.17%	0.22%	0.46%	0.12%	0.27%
Red Flag Computation 33	2,495	155	245	287	259	317	232	146	140	68	186	173	94	98	95
	3.08%	5.69%	3.47%	3.88%	3.38%	3.70%	2.69%	2.20%	2.50%	1.37%	3.24%	3.20%	2.26%	2.90%	3.22%
Red Flag Computation 34	1,242	15	26	35	32	50	67	111	82	89	174	148	148	136	129
	1.54%	0.55%	0.37%	0.47%	0.42%	0.58%	0.78%	1.67%	1.47%	1.79%	3.03%	2.74%	3.55%	4.03%	4.38%
Red Flag Computation 35	13,015	453	1,283	1,333	1,295	1,313	1,037	842	742	733	931	926	824	759	544
	16.09%	16.62%	18.20%	18.02%	16.88%	15.31%	12.01%	12.70%	13.27%	14.72%	16.22%	17.13%	19.78%	22.48%	18.47%
Red Flag Computation 36	8,310	289	524	474	662	829	1,090	829	582	595	841	679	377	265	274
	10.27%	10.61%	7.43%	6.41%	8.63%	9.67%	12.62%	12.50%	10.41%	11.95%	14.65%	12.56%	9.05%	7.85%	9.30%

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Walgreens Combination Red Flagged Prescriptions Summary
Lake County, OH

Red Flag Computation 1-43, in # of Prescriptions

	Total	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Total # of Combination Red Flagged Prescriptions	98,134	3,301	8,570	8,903	9,290	10,630	10,672	8,113	6,840	6,218	6,945	6,457	4,897	3,859	3,439
Total # of Combination Red Flagged Opioid Prescriptions	80,894	2,725	7,051	7,399	7,670	8,576	8,637	6,631	5,591	4,981	5,739	5,405	4,166	3,377	2,946
Red Flag Computation 37	208	14	32	48	23	14	14	10	10	6	13	6	1	14	3
	0.26%	0.51%	0.45%	0.65%	0.30%	0.16%	0.16%	0.15%	0.18%	0.12%	0.23%	0.11%	0.02%	0.41%	0.10%
Red Flag Computation 38	35,925	1,208	3,224	3,244	3,348	4,338	4,429	3,195	2,636	2,359	2,282	2,096	1,491	1,036	1,039
	36.61%	36.59%	37.62%	36.44%	36.04%	40.81%	41.50%	39.38%	38.54%	37.94%	32.86%	32.46%	30.45%	26.85%	30.21%
Red Flag Computation 39	3,120	103	354	324	391	408	370	285	161	189	206	109	100	42	78
	3.18%	3.12%	4.13%	3.64%	4.21%	3.84%	3.47%	3.51%	2.35%	3.04%	2.97%	1.69%	2.04%	1.09%	2.27%
Red Flag Computation 40	1,792	136	235	330	239	278	143	79	63	70	53	56	20	46	44
	2.22%	4.99%	3.33%	4.46%	3.12%	3.24%	1.66%	1.19%	1.13%	1.41%	0.92%	1.04%	0.48%	1.36%	1.49%
Red Flag Computation 41	12,961	385	1,251	1,373	1,297	1,776	1,605	1,297	950	750	666	563	447	261	340
	13.21%	11.66%	14.60%	15.42%	13.96%	16.71%	15.04%	15.99%	13.89%	12.06%	9.59%	8.72%	9.13%	6.76%	9.89%
Red Flag Computation 42	7,060	242	728	736	806	1,003	700	516	548	530	420	367	173	114	177
	7.19%	7.33%	8.49%	8.27%	8.68%	9.44%	6.56%	6.36%	8.01%	8.52%	6.05%	5.68%	3.53%	2.95%	5.15%
Red Flag Computation 43	109	11	24	13	6	10	23	2	15	5	0	0	0	0	0
	0.11%	0.33%	0.28%	0.15%	0.06%	0.09%	0.22%	0.02%	0.22%	0.08%	0.00%	0.00%	0.00%	0.00%	0.00%
Flagged for Any of the Red Flag Computation 1-43	98,134	3,301	8,570	8,903	9,290	10,630	10,672	8,113	6,840	6,218	6,945	6,457	4,897	3,859	3,439
	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%

Notes

Defendant	Date Range
CVS	January 1, 2006 to November 29, 2019
Giant Eagle/HBC	January 1, 2006 to December 3, 2019
Rite Aid	January 1, 2006 to November 19, 2019
Walgreens	January 3, 2006 to January 3, 2020
Wal-Mart	January 2, 2006 to April 25, 2018

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Walgreens Combination Red Flagged Prescriptions Summary
Lake County, OH
Red Flag Computation 1-43, in Dosage Units

	Total	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Total Dosage Units of Combination Red Flagged Prescriptions	7,127,312	223,598	597,682	651,179	714,662	842,194	855,127	663,175	484,870	402,785	441,129	411,794	333,585	261,198	244,334
Total Dosage Units of Combination Red Flagged Opioid Prescriptions	6,141,069	189,704	511,776	560,501	620,487	724,629	733,386	573,155	416,797	336,665	373,265	354,081	295,411	235,538	215,674
Red Flag Computation 1	342,171	17,433	30,311	21,529	37,319	45,301	41,904	33,013	17,892	18,598	16,384	14,867	20,483	14,679	12,458
	5.57%	9.19%	5.92%	3.84%	6.01%	6.25%	5.71%	5.76%	4.29%	5.52%	4.39%	4.20%	6.93%	6.23%	5.78%
Red Flag Computation 2	1,446,353	50,059	101,869	114,950	133,064	151,855	164,177	150,333	105,636	94,261	96,121	90,050	74,956	62,293	56,729
	23.55%	26.39%	19.90%	20.51%	21.45%	20.96%	22.39%	26.23%	25.34%	28.00%	25.75%	25.43%	25.37%	26.45%	26.30%
Red Flag Computation 3	789,320	29,083	85,677	87,496	86,217	103,305	89,472	56,310	45,667	39,300	47,328	46,622	30,453	21,448	20,942
	12.85%	15.33%	16.74%	15.61%	13.90%	14.26%	12.20%	9.82%	10.96%	11.67%	12.68%	13.17%	10.31%	9.11%	9.71%
Red Flag Computation 4	848,910	35,051	81,625	82,615	89,919	101,256	90,357	73,229	78,524	48,184	50,143	47,430	34,113	23,085	13,379
	13.82%	18.48%	15.95%	14.74%	14.49%	13.97%	12.32%	12.78%	18.84%	14.31%	13.43%	13.40%	11.55%	9.80%	6.20%
Red Flag Computation 5	1,106,419	33,252	99,193	110,954	126,140	145,175	124,723	100,083	79,675	71,864	76,858	57,246	38,672	20,294	22,290
	15.52%	14.87%	16.60%	17.04%	17.65%	17.24%	14.59%	15.09%	16.43%	17.84%	17.42%	13.90%	11.59%	7.77%	9.12%
Red Flag Computation 6	251,244	9,348	28,255	25,770	28,890	30,552	30,552	22,074	12,794	15,178	18,982	9,240	9,635	3,973	6,001
	3.53%	4.18%	4.73%	3.96%	4.04%	3.63%	3.57%	3.33%	2.64%	3.77%	4.30%	2.24%	2.89%	1.52%	2.46%
Red Flag Computation 7	3,202,125	105,395	266,359	304,445	306,636	388,626	399,341	292,321	239,486	192,901	205,212	180,244	132,142	93,334	95,683
	44.93%	47.14%	44.57%	46.75%	42.91%	46.14%	46.70%	44.08%	49.39%	47.89%	46.52%	43.77%	39.61%	35.73%	39.16%
Red Flag Computation 8	1,638,252	57,251	135,547	147,678	136,566	193,606	223,458	156,850	116,141	101,229	100,036	90,956	70,172	50,526	58,236
	22.99%	25.60%	22.68%	22.68%	19.11%	22.99%	26.13%	23.65%	23.95%	25.13%	22.68%	22.09%	21.04%	19.34%	23.83%
Red Flag Computation 9	296,761	10,898	30,914	28,825	28,586	46,351	47,515	44,064	25,497	7,394	5,823	5,948	5,695	4,414	4,837
	4.83%	5.74%	6.04%	5.14%	4.61%	6.40%	6.48%	7.69%	6.12%	2.20%	1.56%	1.68%	1.93%	1.87%	2.24%
Red Flag Computation 10	394,004	14,227	32,125	37,648	37,099	42,474	42,100	27,262	18,221	14,489	15,550	9,688	5,974	5,730	91,417
	6.42%	7.50%	6.28%	6.72%	5.98%	5.86%	5.74%	4.76%	4.37%	4.30%	4.17%	2.74%	2.02%	2.43%	42.39%
Red Flag Computation 11	322,761	14,227	32,125	37,648	37,099	42,474	42,100	27,262	18,221	14,489	15,550	9,688	5,974	5,730	20,174
	5.26%	7.50%	6.28%	6.72%	5.98%	5.86%	5.74%	4.76%	4.37%	4.30%	4.17%	2.74%	2.02%	2.43%	9.35%
Red Flag Computation 12	1,050,277	22,570	63,519	63,880	115,402	134,255	151,949	132,705	45,435	31,262	50,742	63,241	67,696	60,355	47,266
	17.10%	11.90%	12.41%	11.40%	18.60%	18.53%	20.72%	23.15%	10.90%	9.29%	13.59%	17.86%	22.92%	25.62%	21.92%
Red Flag Computation 13	445,495	10,717	30,290	23,464	50,362	63,949	79,170	75,134	14,259	7,427	11,834	17,432	20,697	19,099	21,661
	7.25%	5.65%	5.92%	4.19%	8.12%	8.83%	10.80%	13.11%	3.42%	2.21%	3.17%	4.92%	7.01%	8.11%	10.04%
Red Flag Computation 14	53,441	5,084	8,648	8,152	6,936	9,672	8,894	2,817	1,928	1,310	0	0	0	0	0
	0.87%	2.68%	1.69%	1.45%	1.12%	1.33%	1.21%	0.49%	0.46%	0.39%	0.00%	0.00%	0.00%	0.00%	0.00%
Red Flag Computation 15	2,779,466	91,701	287,406	316,257	331,532	363,727	317,404	244,767	182,921	129,992	139,964	123,920	103,564	76,095	70,216
	45.26%	48.34%	56.16%	56.42%	53.43%	50.19%	43.28%	42.71%	43.89%	38.61%	37.50%	35.00%	35.06%	32.31%	32.56%
Red Flag Computation 16	264,526	19,560	39,814	41,231	26,492	31,435	36,557	17,329	13,349	8,540	9,404	4,985	5,869	6,162	3,799
	4.31%	10.31%	7.78%	7.36%	4.27%	4.34%	4.98%	3.02%	3.20%	2.54%	2.52%	1.41%	1.99%	2.62%	1.76%
Red Flag Computation 17	1,054,433	37,068	81,472	88,590	93,430	105,078	115,498	115,275	77,198	66,974	71,985	66,530	54,319	41,811	39,205
	14.79%	16.58%	13.63%	13.60%	13.07%	12.48%	13.51%	17.38%	15.92%	16.63%	16.32%	16.16%	16.28%	16.01%	16.05%
Red Flag Computation 18	239,449	9,370	20,085	22,786	20,732	23,474	25,497	18,965	16,941	16,359	19,694	17,449	11,458	8,854	7,785
	3.90%	4.94%	3.92%	4.07%	3.34%	3.24%	3.48%	3.31%	4.06%	4.86%	5.28%	4.93%	3.88%	3.76%	3.61%

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Walgreens Combination Red Flagged Prescriptions Summary
Lake County, OH
Red Flag Computation 1-43, in Dosage Units

	Total	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Total Dosage Units of Combination Red Flagged Prescriptions	7,127,312	223,598	597,682	651,179	714,662	842,194	855,127	663,175	484,870	402,785	441,129	411,794	333,585	261,198	244,334
Total Dosage Units of Combination Red Flagged Opioid Prescriptions	6,141,069	189,704	511,776	560,501	620,487	724,629	733,386	573,155	416,797	336,665	373,265	354,081	295,411	235,538	215,674
Red Flag Computation 19	118,860	3,731	10,825	9,384	12,534	11,327	13,910	10,818	7,169	6,830	9,176	10,379	5,647	3,785	3,345
	1.94%	1.97%	2.12%	1.67%	2.02%	1.56%	1.90%	1.89%	1.72%	2.03%	2.46%	2.93%	1.91%	1.61%	1.55%
Red Flag Computation 20	411,372	15,197	40,945	44,628	41,035	49,078	47,320	33,123	25,327	22,618	28,101	29,655	16,474	8,076	9,795
	6.70%	8.01%	8.00%	7.96%	6.61%	6.77%	6.45%	5.78%	6.08%	6.72%	7.53%	8.38%	5.58%	3.43%	4.54%
Red Flag Computation 21	287,298	10,337	30,855	30,940	26,636	32,259	36,419	27,511	19,396	16,281	16,418	17,752	10,354	5,032	7,108
	4.68%	5.45%	6.03%	5.52%	4.29%	4.45%	4.97%	4.80%	4.65%	4.84%	4.40%	5.01%	3.50%	2.14%	3.30%
Red Flag Computation 22	17,673	1,145	1,570	2,493	2,115	1,809	1,050	663	1,208	1,600	1,095	894	1,070	813	148
	0.29%	0.60%	0.31%	0.44%	0.34%	0.25%	0.14%	0.12%	0.29%	0.48%	0.29%	0.25%	0.36%	0.35%	0.07%
Red Flag Computation 23	27,419	1,371	2,488	3,664	5,333	2,646	1,451	867	1,756	1,880	1,656	1,392	1,548	1,168	199
	0.45%	0.72%	0.49%	0.65%	0.86%	0.37%	0.20%	0.15%	0.42%	0.56%	0.44%	0.39%	0.52%	0.50%	0.09%
Red Flag Computation 24	1,223,469	38,824	110,136	120,599	126,516	143,727	139,127	103,617	109,397	75,314	77,926	71,823	52,888	34,510	19,065
	19.92%	20.47%	21.52%	21.52%	20.39%	19.83%	18.97%	18.08%	26.25%	22.37%	20.88%	20.28%	17.90%	14.65%	8.84%
Red Flag Computation 25	737,732	15,463	42,470	41,592	82,903	96,706	114,865	100,477	28,902	21,175	35,112	41,999	43,187	39,504	33,377
	12.01%	8.15%	8.30%	7.42%	13.36%	13.35%	15.66%	17.53%	6.93%	6.29%	9.41%	11.86%	14.62%	16.77%	15.48%
Red Flag Computation 26	410,214	9,305	28,385	21,926	47,618	58,244	71,438	67,392	14,113	7,129	10,696	15,904	19,370	17,666	21,028
	6.68%	4.91%	5.55%	3.91%	7.67%	8.04%	9.74%	11.76%	3.39%	2.12%	2.87%	4.49%	6.56%	7.50%	9.75%
Red Flag Computation 27	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Red Flag Computation 28	2,569	0	0	224	24	480	747	224	0	270	120	240	0	0	240
	0.04%	0.00%	0.00%	0.04%	0.00%	0.07%	0.10%	0.04%	0.00%	0.08%	0.03%	0.07%	0.00%	0.00%	0.11%
Red Flag Computation 29	43,165	3,867	6,888	6,142	5,454	8,202	7,234	2,290	1,808	1,280	0	0	0	0	0
	0.70%	2.04%	1.35%	1.10%	0.88%	1.13%	0.99%	0.40%	0.43%	0.38%	0.00%	0.00%	0.00%	0.00%	0.00%
Red Flag Computation 30	348,665	13,612	41,185	39,966	40,568	53,348	40,462	25,085	15,467	13,536	15,432	12,808	13,446	11,128	12,622
	5.68%	7.18%	8.05%	7.13%	6.54%	7.36%	5.52%	4.38%	3.71%	4.02%	4.13%	3.62%	4.55%	4.72%	5.85%
Red Flag Computation 31	447,643	2,400	44,159	44,816	54,607	58,474	54,509	33,978	26,066	19,170	25,048	22,930	23,266	17,613	20,607
	7.29%	1.27%	8.63%	8.00%	8.80%	8.07%	7.43%	5.93%	6.25%	5.69%	6.71%	6.48%	7.88%	7.48%	9.55%
Red Flag Computation 32	35,231	2,950	5,880	6,477	6,888	3,584	3,676	1,660	357	540	584	340	1,360	260	675
	0.57%	1.56%	1.15%	1.16%	1.11%	0.49%	0.50%	0.29%	0.09%	0.16%	0.16%	0.10%	0.46%	0.11%	0.31%
Red Flag Computation 33	126,056	7,485	14,043	15,013	15,134	15,877	11,207	7,431	6,433	3,411	10,208	7,626	4,427	4,305	3,456
	2.05%	3.95%	2.74%	2.68%	2.44%	2.19%	1.53%	1.30%	1.54%	1.01%	2.73%	2.15%	1.50%	1.83%	1.60%
Red Flag Computation 34	119,712	1,840	5,002	6,010	3,971	5,282	7,320	10,516	6,938	6,682	14,161	12,843	14,122	12,478	12,547
	1.95%	0.97%	0.98%	1.07%	0.64%	0.73%	1.00%	1.83%	1.66%	1.98%	3.79%	3.63%	4.78%	5.30%	5.82%
Red Flag Computation 35	786,364	27,264	80,726	85,389	84,999	88,971	67,671	57,904	48,116	43,098	52,252	46,812	43,535	35,191	24,436
	12.81%	14.37%	15.77%	15.23%	13.70%	12.28%	9.23%	10.10%	11.54%	12.80%	14.00%	13.22%	14.74%	14.94%	11.33%
Red Flag Computation 36	608,679	19,438	31,815	34,318	61,835	76,327	89,942	77,630	43,921	36,587	36,296	33,667	24,337	19,900	22,666
	9.91%	10.25%	6.22%	6.12%	9.97%	10.53%	12.26%	13.54%	10.54%	10.87%	9.72%	9.51%	8.24%	8.45%	10.51%

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Walgreens Combination Red Flagged Prescriptions Summary
Lake County, OH
Red Flag Computation 1-43, in Dosage Units

	Total	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Total Dosage Units of Combination Red Flagged Prescriptions	7,127,312	223,598	597,682	651,179	714,662	842,194	855,127	663,175	484,870	402,785	441,129	411,794	333,585	261,198	244,334
Total Dosage Units of Combination Red Flagged Opioid Prescriptions	6,141,069	189,704	511,776	560,501	620,487	724,629	733,386	573,155	416,797	336,665	373,265	354,081	295,411	235,538	215,674
Red Flag Computation 37	28,755	1,357	4,809	6,650	3,950	3,210	3,150	1,660	555	840	1,510	609	20	345	90
	0.47%	0.72%	0.94%	1.19%	0.64%	0.44%	0.43%	0.29%	0.13%	0.25%	0.40%	0.17%	0.01%	0.15%	0.04%
Red Flag Computation 38	2,538,304	84,835	218,162	231,380	241,313	319,892	341,184	248,248	182,778	152,061	149,485	132,681	97,843	66,301	72,141
	35.61%	37.94%	36.50%	35.53%	33.77%	37.98%	39.90%	37.43%	37.70%	37.75%	33.89%	32.22%	29.33%	25.38%	29.53%
Red Flag Computation 39	240,772	8,216	26,710	25,001	28,137	29,859	28,502	21,654	12,209	14,878	18,082	9,150	8,760	3,613	6,001
	3.38%	3.67%	4.47%	3.84%	3.94%	3.55%	3.33%	3.27%	2.52%	3.69%	4.10%	2.22%	2.63%	1.38%	2.46%
Red Flag Computation 40	137,129	9,256	17,339	25,681	17,753	25,094	12,789	7,870	4,665	3,916	3,070	3,261	1,194	2,546	2,695
	2.23%	4.88%	3.39%	4.58%	2.86%	3.46%	1.74%	1.37%	1.12%	1.16%	0.82%	0.92%	0.40%	1.08%	1.25%
Red Flag Computation 41	1,069,262	30,360	95,614	110,470	108,614	138,837	136,654	115,168	77,483	59,350	56,909	45,993	38,638	23,785	31,387
	15.00%	13.58%	16.00%	16.96%	15.20%	16.49%	15.98%	17.37%	15.98%	14.73%	12.90%	11.17%	11.58%	9.11%	12.85%
Red Flag Computation 42	446,335	14,175	42,668	50,027	53,196	61,638	44,330	36,893	36,730	33,401	26,512	19,171	9,928	6,394	11,272
	6.26%	6.34%	7.14%	7.68%	7.44%	7.32%	5.18%	5.56%	7.58%	8.29%	6.01%	4.66%	2.98%	2.45%	4.61%
Red Flag Computation 43	6,458	463	936	1,124	340	672	1,503	24	950	446	0	0	0	0	0
	0.09%	0.21%	0.16%	0.17%	0.05%	0.08%	0.18%	0.00%	0.20%	0.11%	0.00%	0.00%	0.00%	0.00%	0.00%
Flagged for Any of the Red Flag Computation 1-43	7,127,312	223,598	597,682	651,179	714,662	842,194	855,127	663,175	484,870	402,785	441,129	411,794	333,585	261,198	244,334
	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%

Notes

Defendant	Date Range
CVS	January 1, 2006 to November 29, 2019
Giant Eagle/HBC	January 1, 2006 to December 3, 2019
Rite Aid	January 1, 2006 to November 19, 2019
Walgreens	January 3, 2006 to January 3, 2020
Wal-Mart	January 2, 2006 to April 25, 2018

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Walgreens Combination Red Flagged Prescriptions Summary
Lake County, OH
Red Flag Computation 1-43, in MME

	Total	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Total MME of Combination Red Flagged Prescriptions	101,438,359	3,752,229	10,266,702	10,916,108	11,357,927	12,076,227	12,104,417	8,940,825	6,793,512	4,991,933	5,320,948	4,860,741	3,829,829	3,135,867	3,091,094
Total MME of Combination Red Flagged Opioid Prescriptions	101,438,359	3,752,229	10,266,702	10,916,108	11,357,927	12,076,227	12,104,417	8,940,825	6,793,512	4,991,933	5,320,948	4,860,741	3,829,829	3,135,867	3,091,094
Red Flag Computation 1	5,721,121	248,404	491,737	481,439	632,269	847,534	939,469	683,104	254,933	214,293	204,863	205,090	228,313	163,139	126,535
	5.64%	6.62%	4.79%	4.41%	5.57%	7.02%	7.76%	7.64%	3.75%	4.29%	3.85%	4.22%	5.96%	5.20%	4.09%
Red Flag Computation 2	25,454,712	1,098,561	2,307,142	2,520,382	2,382,477	2,728,318	3,168,000	2,684,591	1,743,717	1,376,449	1,401,751	1,346,491	1,024,141	826,253	846,440
	25.09%	29.28%	22.47%	23.09%	20.98%	22.59%	26.17%	30.03%	25.67%	27.57%	26.34%	27.70%	26.74%	26.35%	27.38%
Red Flag Computation 3	13,613,522	556,068	1,586,494	1,658,249	1,577,726	1,913,491	1,556,262	886,514	747,519	550,191	606,176	799,238	397,164	346,966	431,466
	13.42%	14.82%	15.45%	15.19%	13.89%	15.85%	12.86%	9.92%	11.00%	11.02%	11.39%	16.44%	10.37%	11.06%	13.96%
Red Flag Computation 4	17,716,680	904,025	2,223,732	2,055,077	2,199,514	2,312,541	1,914,064	1,436,283	1,460,550	884,483	786,134	628,002	428,244	300,530	183,501
	17.47%	24.09%	21.66%	18.83%	19.37%	19.15%	15.81%	16.06%	21.50%	17.72%	14.77%	12.92%	11.18%	9.58%	5.94%
Red Flag Computation 5	11,547,108	354,920	1,200,113	1,340,813	1,507,900	1,453,336	1,266,754	1,112,627	970,685	638,936	649,979	458,142	277,692	154,835	160,380
	11.38%	9.46%	11.69%	12.28%	13.28%	12.03%	10.47%	12.44%	14.29%	12.80%	12.22%	9.43%	7.25%	4.94%	5.19%
Red Flag Computation 6	1,675,210	83,565	251,445	158,071	245,110	203,415	196,803	152,758	75,129	74,403	75,355	45,985	61,640	23,558	27,975
	1.65%	2.23%	2.45%	1.45%	2.16%	1.68%	1.63%	1.71%	1.11%	1.49%	1.42%	0.95%	1.61%	0.75%	0.91%
Red Flag Computation 7	41,136,868	1,569,996	4,113,928	4,808,958	4,471,457	4,893,453	4,729,669	3,554,811	3,068,232	2,178,404	2,369,157	1,925,663	1,349,306	964,822	1,139,013
	40.55%	41.84%	40.07%	44.05%	39.37%	40.52%	39.07%	39.76%	45.16%	43.64%	44.53%	39.62%	35.23%	30.77%	36.85%
Red Flag Computation 8	15,855,630	717,491	1,606,484	1,740,457	1,463,697	1,870,042	2,074,338	1,440,891	1,000,750	761,171	857,001	698,986	633,468	437,355	553,500
	15.63%	19.12%	15.65%	15.94%	12.89%	15.49%	17.14%	16.12%	14.73%	15.25%	16.11%	14.38%	16.54%	13.95%	17.91%
Red Flag Computation 9	5,473,671	182,515	490,275	505,279	510,804	974,977	919,270	845,790	472,411	119,063	87,554	112,075	83,935	75,040	94,685
	5.40%	4.86%	4.78%	4.63%	4.50%	8.07%	7.59%	9.46%	6.95%	2.39%	1.65%	2.31%	2.19%	2.39%	3.06%
Red Flag Computation 10	21,851,544	1,104,111	2,806,326	3,037,540	2,770,529	2,640,269	2,457,101	1,632,390	1,093,130	637,143	726,280	430,607	265,839	235,320	2,014,961
	21.54%	29.43%	27.33%	27.83%	24.39%	21.86%	20.30%	18.26%	16.09%	12.76%	13.65%	8.86%	6.94%	7.50%	65.19%
Red Flag Computation 11	20,684,772	1,104,111	2,806,326	3,037,540	2,770,529	2,640,269	2,457,101	1,632,390	1,093,130	637,143	726,280	430,607	265,839	235,320	848,188
	20.39%	29.43%	27.33%	27.83%	24.39%	21.86%	20.30%	18.26%	16.09%	12.76%	13.65%	8.86%	6.94%	7.50%	27.44%
Red Flag Computation 12	9,074,809	240,260	657,695	550,008	926,888	1,081,530	1,273,703	1,087,256	380,535	246,840	422,778	546,933	594,305	562,663	503,418
	8.95%	6.40%	6.41%	5.04%	8.16%	8.96%	10.52%	12.16%	5.60%	4.94%	7.95%	11.25%	15.52%	17.94%	16.29%
Red Flag Computation 13	3,943,336	104,255	339,110	222,120	416,203	517,018	636,750	593,086	117,895	71,690	105,828	170,470	198,400	193,793	256,720
	3.89%	2.78%	3.30%	2.03%	3.66%	4.28%	5.26%	6.63%	1.74%	1.44%	1.99%	3.51%	5.18%	6.18%	8.31%
Red Flag Computation 14	361,337	29,702	57,515	55,615	42,975	68,075	64,215	20,685	12,655	9,900	0	0	0	0	0
	0.36%	0.79%	0.56%	0.51%	0.38%	0.56%	0.53%	0.23%	0.19%	0.20%	0.00%	0.00%	0.00%	0.00%	0.00%
Red Flag Computation 15	60,403,911	2,368,630	6,972,096	7,615,349	7,694,248	7,645,461	6,762,890	5,059,164	4,093,857	2,605,516	2,785,478	2,370,685	1,751,153	1,352,418	1,326,966
	59.55%	63.13%	67.91%	69.76%	67.74%	63.31%	55.87%	56.58%	60.26%	52.19%	52.35%	48.77%	45.72%	43.13%	42.93%
Red Flag Computation 16	3,985,634	284,945	689,425	622,745	347,113	527,749	600,623	263,809	173,096	104,273	105,117	63,388	74,565	68,639	60,150
	3.93%	7.59%	6.72%	5.70%	3.06%	4.37%	4.96%	2.95%	2.55%	2.09%	1.98%	1.30%	1.95%	2.19%	1.95%
Red Flag Computation 17	17,578,315	765,877	1,710,759	1,881,637	1,560,044	1,754,121	2,165,459	1,870,653	1,239,384	915,070	1,004,580	944,231	717,268	535,076	514,158
	17.33%	20.41%	16.66%	17.24%	13.74%	14.53%	17.89%	20.92%	18.24%	18.33%	18.88%	19.43%	18.73%	17.06%	16.63%
Red Flag Computation 18	3,221,842	176,447	280,397	313,683	302,582	294,320	384,500	234,054	200,724	197,530	193,310	223,648	142,713	103,505	174,432
	3.18%	4.70%	2.73%	2.87%	2.66%	2.44%	3.18%	2.62%	2.95%	3.96%	3.63%	4.60%	3.73%	3.30%	5.64%

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Walgreens Combination Red Flagged Prescriptions Summary
Lake County, OH
Red Flag Computation 1-43, in MME

	Total	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Total MME of Combination Red Flagged Prescriptions	101,438,359	3,752,229	10,266,702	10,916,108	11,357,927	12,076,227	12,104,417	8,940,825	6,793,512	4,991,933	5,320,948	4,860,741	3,829,829	3,135,867	3,091,094
Total MME of Combination Red Flagged Opioid Prescriptions	101,438,359	3,752,229	10,266,702	10,916,108	11,357,927	12,076,227	12,104,417	8,940,825	6,793,512	4,991,933	5,320,948	4,860,741	3,829,829	3,135,867	3,091,094
Red Flag Computation 19	1,826,274	53,620	161,833	150,599	166,296	163,769	228,064	133,040	97,434	114,158	79,809	167,453	96,030	52,633	161,538
	1.80%	1.43%	1.58%	1.38%	1.46%	1.36%	1.88%	1.49%	1.43%	2.29%	1.50%	3.44%	2.51%	1.68%	5.23%
Red Flag Computation 20	6,321,850	275,443	678,630	761,223	637,777	747,898	704,726	452,709	378,507	315,720	286,215	503,095	220,882	121,616	237,409
	6.23%	7.34%	6.61%	6.97%	5.62%	6.19%	5.82%	5.06%	5.57%	6.32%	5.38%	10.35%	5.77%	3.88%	7.68%
Red Flag Computation 21	4,246,789	153,556	558,836	548,252	401,521	411,819	515,210	368,981	284,046	241,367	186,267	280,553	112,447	76,047	107,890
	4.19%	4.09%	5.44%	5.02%	3.54%	3.41%	4.26%	4.13%	4.18%	4.84%	3.50%	5.77%	2.94%	2.43%	3.49%
Red Flag Computation 22	364,570	26,430	18,315	76,678	42,705	43,415	9,333	8,340	29,565	31,280	41,930	12,795	9,985	6,390	7,410
	0.36%	0.70%	0.18%	0.70%	0.38%	0.36%	0.08%	0.09%	0.44%	0.63%	0.79%	0.26%	0.26%	0.20%	0.24%
Red Flag Computation 23	593,818	35,450	31,893	108,191	98,389	70,590	20,890	11,703	49,620	42,591	66,765	30,125	16,430	9,690	1,493
	0.59%	0.94%	0.31%	0.99%	0.87%	0.58%	0.17%	0.13%	0.73%	0.85%	1.25%	0.62%	0.43%	0.31%	0.05%
Red Flag Computation 24	23,816,332	888,247	2,683,656	2,808,964	2,939,127	3,004,055	2,798,906	1,919,022	1,984,375	1,328,376	1,127,537	948,567	679,387	431,066	275,048
	23.48%	23.67%	26.14%	25.73%	25.88%	24.88%	23.12%	21.46%	29.21%	26.61%	21.19%	19.51%	17.74%	13.75%	8.90%
Red Flag Computation 25	6,346,246	166,588	425,133	353,685	674,130	772,773	933,300	804,971	235,095	171,625	295,975	368,735	392,215	386,448	365,575
	6.26%	4.44%	4.14%	3.24%	5.94%	6.40%	7.71%	9.00%	3.46%	3.44%	5.56%	7.59%	10.24%	12.32%	11.83%
Red Flag Computation 26	3,667,632	93,535	323,120	206,643	393,015	479,473	579,190	532,441	114,018	69,065	99,215	155,165	187,450	182,410	252,893
	3.62%	2.49%	3.15%	1.89%	3.46%	3.97%	4.78%	5.96%	1.68%	1.38%	1.86%	3.19%	4.89%	5.82%	8.18%
Red Flag Computation 27	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Red Flag Computation 28	21,983	0	0	1,680	120	5,400	6,953	1,680	0	1,350	1,200	1,800	0	0	1,800
	0.02%	0.00%	0.00%	0.02%	0.00%	0.04%	0.06%	0.02%	0.00%	0.03%	0.02%	0.04%	0.00%	0.00%	0.06%
Red Flag Computation 29	288,339	23,174	45,990	40,340	33,435	55,900	51,855	15,840	12,055	9,750	0	0	0	0	0
	0.28%	0.62%	0.45%	0.37%	0.29%	0.46%	0.43%	0.18%	0.18%	0.20%	0.00%	0.00%	0.00%	0.00%	0.00%
Red Flag Computation 30	5,550,570	237,563	822,917	626,580	663,345	816,611	635,548	365,335	244,675	170,576	212,643	193,263	187,451	171,485	202,580
	5.47%	6.33%	8.02%	5.74%	5.84%	6.76%	5.25%	4.09%	3.60%	3.42%	4.00%	3.98%	4.89%	5.47%	6.55%
Red Flag Computation 31	7,325,623	59,400	924,901	800,826	967,321	918,582	800,763	511,566	412,299	234,069	362,288	402,797	334,635	273,533	322,645
	7.22%	1.58%	9.01%	7.34%	8.52%	7.61%	6.62%	5.72%	6.07%	4.69%	6.81%	8.29%	8.74%	8.72%	10.44%
Red Flag Computation 32	463,405	33,487	58,606	74,414	66,345	60,128	70,620	39,170	11,420	6,785	8,390	9,930	12,480	2,170	9,460
	0.46%	0.89%	0.57%	0.68%	0.58%	0.50%	0.58%	0.44%	0.17%	0.14%	0.16%	0.20%	0.33%	0.07%	0.31%
Red Flag Computation 33	3,501,841	278,324	331,072	537,999	401,893	402,415	328,369	174,770	190,014	70,474	303,994	228,683	76,308	111,047	66,482
	3.45%	7.42%	3.22%	4.93%	3.54%	3.33%	2.71%	1.95%	2.80%	1.41%	5.71%	4.70%	1.99%	3.54%	2.15%
Red Flag Computation 34	2,244,052	21,000	50,348	65,100	73,838	100,118	211,408	326,108	215,618	156,780	268,893	196,618	180,414	183,463	194,349
	2.21%	0.56%	0.49%	0.60%	0.65%	0.83%	1.75%	3.65%	3.17%	3.14%	5.05%	4.05%	4.71%	5.85%	6.29%
Red Flag Computation 35	14,894,166	644,155	1,756,096	1,806,686	1,971,880	1,659,125	1,425,134	1,018,181	865,198	742,526	863,050	645,001	596,859	490,776	409,500
	14.68%	17.17%	17.10%	16.55%	17.36%	13.74%	11.77%	11.39%	12.74%	14.87%	16.22%	13.27%	15.58%	15.65%	13.25%
Red Flag Computation 36	10,847,521	415,776	801,326	766,813	1,072,247	1,414,836	1,685,763	1,364,116	799,745	584,741	580,578	497,373	333,234	249,579	281,398
	10.69%	11.08%	7.81%	7.02%	9.44%	11.72%	13.93%	15.26%	11.77%	11.71%	10.91%	10.23%	8.70%	7.96%	9.10%

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Walgreens Combination Red Flagged Prescriptions Summary
Lake County, OH
Red Flag Computation 1-43, in MME

	Total	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Total MME of Combination Red Flagged Prescriptions	101,438,359	3,752,229	10,266,702	10,916,108	11,357,927	12,076,227	12,104,417	8,940,825	6,793,512	4,991,933	5,320,948	4,860,741	3,829,829	3,135,867	3,091,094
Total MME of Combination Red Flagged Opioid Prescriptions	101,438,359	3,752,229	10,266,702	10,916,108	11,357,927	12,076,227	12,104,417	8,940,825	6,793,512	4,991,933	5,320,948	4,860,741	3,829,829	3,135,867	3,091,094
Red Flag Computation 37	207,305	10,178	36,128	50,595	29,910	24,075	23,550	12,125	3,000	4,875	7,550	3,045	100	1,725	450
	0.20%	0.27%	0.35%	0.46%	0.26%	0.20%	0.19%	0.14%	0.04%	0.10%	0.14%	0.06%	0.00%	0.06%	0.01%
Red Flag Computation 38	26,537,060	1,099,003	2,704,201	2,876,983	2,848,352	3,476,535	3,570,111	2,558,689	1,808,979	1,211,534	1,267,779	1,037,763	838,716	565,542	672,875
	26.16%	29.29%	26.34%	26.36%	25.08%	28.79%	29.49%	28.62%	26.63%	24.27%	23.83%	21.35%	21.90%	18.03%	21.77%
Red Flag Computation 39	1,583,115	66,485	233,520	152,641	239,770	194,295	183,678	151,333	72,504	73,953	69,055	45,310	51,740	20,858	27,975
	1.56%	1.77%	2.27%	1.40%	2.11%	1.61%	1.52%	1.69%	1.07%	1.48%	1.30%	0.93%	1.35%	0.67%	0.91%
Red Flag Computation 40	3,865,876	254,695	430,169	812,365	493,922	850,331	348,085	179,155	137,505	86,475	66,555	62,745	20,530	70,845	52,500
	3.81%	6.79%	4.19%	7.44%	4.35%	7.04%	2.88%	2.00%	2.02%	1.73%	1.25%	1.29%	0.54%	2.26%	1.70%
Red Flag Computation 41	12,279,367	440,086	1,238,274	1,533,562	1,337,758	1,589,609	1,586,686	1,264,633	869,183	507,534	547,179	399,923	390,765	243,412	330,765
	12.11%	11.73%	12.06%	14.05%	11.78%	13.16%	13.11%	14.14%	12.79%	10.17%	10.28%	8.23%	10.20%	7.76%	10.70%
Red Flag Computation 42	5,315,869	199,706	554,872	744,887	711,433	686,430	530,129	449,235	444,593	335,236	251,034	207,896	78,714	42,750	78,955
	5.24%	5.32%	5.40%	6.82%	6.26%	5.68%	4.38%	5.02%	6.54%	6.72%	4.72%	4.28%	2.06%	1.36%	2.55%
Red Flag Computation 43	61,768	5,235	7,631	15,305	1,813	6,810	14,865	60	9,250	800	0	0	0	0	0
	0.06%	0.14%	0.07%	0.14%	0.02%	0.06%	0.12%	0.00%	0.14%	0.02%	0.00%	0.00%	0.00%	0.00%	0.00%
Flagged for Any of the Red Flag Computation 1-43	101,438,359	3,752,229	10,266,702	10,916,108	11,357,927	12,076,227	12,104,417	8,940,825	6,793,512	4,991,933	5,320,948	4,860,741	3,829,829	3,135,867	3,091,094
	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%

Notes

Defendant	Date Range
CVS	January 1, 2006 to November 29, 2019
Giant Eagle/HBC	January 1, 2006 to December 3, 2019
Rite Aid	January 1, 2006 to November 19, 2019
Walgreens	January 3, 2006 to January 3, 2020
Wal-Mart	January 2, 2006 to April 25, 2018

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Walgreens Combination Red Flagged Prescriptions Summary
Trumbull County, OH
Red Flag Computation 1-43, in # of Prescriptions

	Total	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Total # of Combination Red Flagged Prescriptions	128,709	1,622	5,528	7,416	9,064	11,277	12,922	12,008	11,142	10,457	12,678	11,761	9,277	7,464	6,093
Total # of Combination Red Flagged Opioid Prescriptions	94,715	1,180	4,113	5,633	6,672	8,320	9,548	8,759	8,153	7,796	9,518	8,623	6,639	5,302	4,459
Red Flag Computation 1	3,145	100	280	290	293	347	344	236	211	222	200	168	146	157	151
	3.32%	8.47%	6.81%	5.15%	4.39%	4.17%	3.60%	2.69%	2.59%	2.85%	2.10%	1.95%	2.20%	2.96%	3.39%
Red Flag Computation 2	16,628	346	1,050	1,121	1,275	1,552	1,491	1,315	1,385	1,354	1,498	1,353	1,073	941	874
	17.56%	29.32%	25.53%	19.90%	19.11%	18.65%	15.62%	15.01%	16.99%	17.37%	15.74%	15.69%	16.16%	17.75%	19.60%
Red Flag Computation 3	16,243	185	649	1,146	1,451	1,587	1,778	1,636	1,468	1,477	1,531	1,397	792	600	546
	17.15%	15.68%	15.78%	20.34%	21.75%	19.07%	18.62%	18.68%	18.01%	18.95%	16.09%	16.20%	11.93%	11.32%	12.24%
Red Flag Computation 4	9,112	103	300	542	665	796	950	951	1,162	935	1,044	718	440	324	182
	9.62%	8.73%	7.29%	9.62%	9.97%	9.57%	9.95%	10.86%	14.25%	11.99%	10.97%	8.33%	6.63%	6.11%	4.08%
Red Flag Computation 5	17,665	260	987	1,212	1,466	1,650	1,968	1,959	1,638	1,272	1,560	1,374	972	741	606
	13.72%	16.03%	17.85%	16.34%	16.17%	14.63%	15.23%	16.31%	14.70%	12.16%	12.30%	11.68%	10.48%	9.93%	9.95%
Red Flag Computation 6	5,657	86	440	509	678	576	616	680	472	389	407	333	181	148	142
	4.40%	5.30%	7.96%	6.86%	7.48%	5.11%	4.77%	5.66%	4.24%	3.72%	3.21%	2.83%	1.95%	1.98%	2.33%
Red Flag Computation 7	75,637	976	3,120	4,217	5,254	6,682	7,690	7,181	6,709	5,924	7,064	6,957	5,696	4,692	3,475
	58.77%	60.17%	56.44%	56.86%	57.97%	59.25%	59.51%	59.80%	60.21%	56.65%	55.72%	59.15%	61.40%	62.86%	57.03%
Red Flag Computation 8	57,937	699	2,254	2,941	4,003	5,112	5,771	5,479	5,065	4,587	5,363	5,429	4,616	3,823	2,795
	45.01%	43.09%	40.77%	39.66%	44.16%	45.33%	44.66%	45.63%	45.46%	43.87%	42.30%	46.16%	49.76%	51.22%	45.87%
Red Flag Computation 9	5,838	68	260	460	381	537	569	509	381	651	941	635	242	146	58
	6.16%	5.76%	6.32%	8.17%	5.71%	6.45%	5.96%	5.81%	4.67%	8.35%	9.89%	7.36%	3.65%	2.75%	1.30%
Red Flag Computation 10	11,219	73	404	829	792	1,241	1,736	1,545	694	558	493	427	253	167	2,007
	11.85%	6.19%	9.82%	14.72%	11.87%	14.92%	18.18%	17.64%	8.51%	7.16%	5.18%	4.95%	3.81%	3.15%	45.01%
Red Flag Computation 11	9,703	73	404	829	792	1,241	1,736	1,545	694	558	493	427	253	167	491
	10.24%	6.19%	9.82%	14.72%	11.87%	14.92%	18.18%	17.64%	8.51%	7.16%	5.18%	4.95%	3.81%	3.15%	11.01%
Red Flag Computation 12	17,921	9	76	199	399	880	1,681	1,438	1,182	1,507	2,927	2,783	2,299	1,530	1,011
	18.92%	0.76%	1.85%	3.53%	5.98%	10.58%	17.61%	16.42%	14.50%	19.33%	30.75%	32.27%	34.63%	28.86%	22.67%
Red Flag Computation 13	6,864	11	33	98	154	348	614	510	399	605	1,242	1,219	798	517	316
	7.25%	0.93%	0.80%	1.74%	2.31%	4.18%	6.43%	5.82%	4.89%	7.76%	13.05%	14.14%	12.02%	9.75%	7.09%
Red Flag Computation 14	1,586	64	173	217	238	260	261	181	137	55	0	0	0	0	0
	1.67%	5.42%	4.21%	3.85%	3.57%	3.13%	2.73%	2.07%	1.68%	0.71%	0.00%	0.00%	0.00%	0.00%	0.00%
Red Flag Computation 15	37,554	395	1,828	2,927	3,192	3,919	4,584	3,913	3,312	3,017	3,501	2,838	1,773	1,354	1,001
	39.65%	33.47%	44.44%	51.96%	47.84%	47.10%	48.01%	44.67%	40.62%	38.70%	36.78%	32.91%	26.71%	25.54%	22.45%
Red Flag Computation 16	4,035	193	545	517	443	480	403	360	317	156	126	72	132	193	98
	4.26%	16.36%	13.25%	9.18%	6.64%	5.77%	4.22%	4.11%	3.89%	2.00%	1.32%	0.83%	1.99%	3.64%	2.20%
Red Flag Computation 17	11,917	285	738	749	924	1,088	1,067	973	919	976	1,087	945	776	730	660
	9.26%	17.57%	13.35%	10.10%	10.19%	9.65%	8.26%	8.10%	8.25%	9.33%	8.57%	8.04%	8.36%	9.78%	10.83%
Red Flag Computation 18	4,900	67	275	329	377	477	439	454	475	438	467	413	260	194	235
	5.17%	5.68%	6.69%	5.84%	5.65%	5.73%	4.60%	5.18%	5.83%	5.62%	4.91%	4.79%	3.92%	3.66%	5.27%

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Walgreens Combination Red Flagged Prescriptions Summary
Trumbull County, OH
Red Flag Computation 1-43, in # of Prescriptions

	Total	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Total # of Combination Red Flagged Prescriptions	128,709	1,622	5,528	7,416	9,064	11,277	12,922	12,008	11,142	10,457	12,678	11,761	9,277	7,464	6,093
Total # of Combination Red Flagged Opioid Prescriptions	94,715	1,180	4,113	5,633	6,672	8,320	9,548	8,759	8,153	7,796	9,518	8,623	6,639	5,302	4,459
Red Flag Computation 19	2,504	25	128	170	200	252	233	278	228	211	223	228	137	85	106
	2.64%	2.12%	3.11%	3.02%	3.00%	3.03%	2.44%	3.17%	2.80%	2.71%	2.34%	2.64%	2.06%	1.60%	2.38%
Red Flag Computation 20	7,143	62	279	555	590	726	757	812	604	623	600	568	375	297	295
	7.54%	5.25%	6.78%	9.85%	8.84%	8.73%	7.93%	9.27%	7.41%	7.99%	6.30%	6.59%	5.65%	5.60%	6.62%
Red Flag Computation 21	4,511	51	194	350	343	389	459	566	498	429	393	353	207	139	140
	4.76%	4.32%	4.72%	6.21%	5.14%	4.68%	4.81%	6.46%	6.11%	5.50%	4.13%	4.09%	3.12%	2.62%	3.14%
Red Flag Computation 22	187	7	3	13	17	21	17	26	9	12	19	15	16	9	3
	0.20%	0.59%	0.07%	0.23%	0.25%	0.25%	0.18%	0.30%	0.11%	0.15%	0.20%	0.17%	0.24%	0.17%	0.07%
Red Flag Computation 23	231	10	2	17	14	17	24	25	11	17	28	23	26	15	2
	0.24%	0.85%	0.05%	0.30%	0.21%	0.20%	0.25%	0.29%	0.13%	0.22%	0.29%	0.27%	0.39%	0.28%	0.04%
Red Flag Computation 24	12,029	141	436	725	851	1,061	1,216	1,306	1,515	1,232	1,325	867	613	468	273
	12.70%	11.95%	10.60%	12.87%	12.75%	12.75%	12.74%	14.91%	18.58%	15.80%	13.92%	10.05%	9.23%	8.83%	6.12%
Red Flag Computation 25	12,122	4	42	114	239	547	1,095	926	775	1,024	2,053	2,002	1,601	1,030	670
	12.80%	0.34%	1.02%	2.02%	3.58%	6.57%	11.47%	10.57%	9.51%	13.13%	21.57%	23.22%	24.12%	19.43%	15.03%
Red Flag Computation 26	6,141	10	29	85	139	304	559	453	370	549	1,087	1,073	724	479	280
	6.48%	0.85%	0.71%	1.51%	2.08%	3.65%	5.85%	5.17%	4.54%	7.04%	11.42%	12.44%	10.91%	9.03%	6.28%
Red Flag Computation 27	2	0	0	2	0	0	0	0	0	0	0	0	0	0	0
	0.00%	0.00%	0.00%	0.04%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Red Flag Computation 28	52	0	0	4	20	1	0	0	0	0	14	1	0	6	6
	0.05%	0.00%	0.00%	0.07%	0.30%	0.01%	0.00%	0.00%	0.00%	0.00%	0.15%	0.01%	0.00%	0.11%	0.13%
Red Flag Computation 29	1,214	46	142	174	179	193	204	132	100	44	0	0	0	0	0
	1.28%	3.90%	3.45%	3.09%	2.68%	2.32%	2.14%	1.51%	1.23%	0.56%	0.00%	0.00%	0.00%	0.00%	0.00%
Red Flag Computation 30	5,092	101	396	555	559	671	689	499	443	321	266	214	139	124	115
	5.38%	8.56%	9.63%	9.85%	8.38%	8.06%	7.22%	5.70%	5.43%	4.12%	2.79%	2.48%	2.09%	2.34%	2.58%
Red Flag Computation 31	6,277	22	238	291	429	466	499	441	498	677	1,011	805	391	258	251
	6.63%	1.86%	5.79%	5.17%	6.43%	5.60%	5.23%	5.03%	6.11%	8.68%	10.62%	9.34%	5.89%	4.87%	5.63%
Red Flag Computation 32	350	20	28	41	22	78	65	50	26	9	3	2	3	3	0
	0.37%	1.69%	0.68%	0.73%	0.33%	0.94%	0.68%	0.57%	0.32%	0.12%	0.03%	0.02%	0.05%	0.06%	0.00%
Red Flag Computation 33	4,641	38	226	504	435	699	903	576	323	299	257	134	86	82	79
	4.90%	3.22%	5.49%	8.95%	6.52%	8.40%	9.46%	6.58%	3.96%	3.84%	2.70%	1.55%	1.30%	1.55%	1.77%
Red Flag Computation 34	820	3	2	25	47	59	53	39	33	54	145	172	85	60	43
	0.87%	0.25%	0.05%	0.44%	0.70%	0.71%	0.56%	0.45%	0.40%	0.69%	1.52%	1.99%	1.28%	1.13%	0.96%
Red Flag Computation 35	11,362	199	737	726	641	1,132	1,275	1,186	936	742	900	681	614	686	907
	12.00%	16.86%	17.92%	12.89%	9.61%	13.61%	13.35%	13.54%	11.48%	9.52%	9.46%	7.90%	9.25%	12.94%	20.34%
Red Flag Computation 36	4,632	119	285	290	335	515	426	388	393	354	410	361	259	278	219
	4.89%	10.08%	6.93%	5.15%	5.02%	6.19%	4.46%	4.43%	4.82%	4.54%	4.31%	4.19%	3.90%	5.24%	4.91%

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Walgreens Combination Red Flagged Prescriptions Summary
Trumbull County, OH
Red Flag Computation 1-43, in # of Prescriptions

	Total	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Total # of Combination Red Flagged Prescriptions	128,709	1,622	5,528	7,416	9,064	11,277	12,922	12,008	11,142	10,457	12,678	11,761	9,277	7,464	6,093
Total # of Combination Red Flagged Opioid Prescriptions	94,715	1,180	4,113	5,633	6,672	8,320	9,548	8,759	8,153	7,796	9,518	8,623	6,639	5,302	4,459
Red Flag Computation 37	67	0	0	0	2	3	0	4	4	10	14	11	16	3	0
	0.07%	0.00%	0.00%	0.00%	0.03%	0.04%	0.00%	0.05%	0.05%	0.13%	0.15%	0.13%	0.24%	0.06%	0.00%
Red Flag Computation 38	71,148	929	2,894	3,751	5,104	6,339	7,132	6,828	6,326	5,659	6,707	6,525	5,366	4,331	3,257
	55.28%	57.27%	52.35%	50.58%	56.31%	56.21%	55.19%	56.86%	56.78%	54.12%	52.90%	55.48%	57.84%	58.03%	53.45%
Red Flag Computation 39	5,457	86	436	491	655	565	606	651	445	370	394	315	178	133	132
	4.24%	5.30%	7.89%	6.62%	7.23%	5.01%	4.69%	5.42%	3.99%	3.54%	3.11%	2.68%	1.92%	1.78%	2.17%
Red Flag Computation 40	3,379	34	190	512	462	560	498	326	234	152	101	85	98	69	58
	3.57%	2.88%	4.62%	9.09%	6.92%	6.73%	5.22%	3.72%	2.87%	1.95%	1.06%	0.99%	1.48%	1.30%	1.30%
Red Flag Computation 41	32,488	375	1,325	1,647	2,344	2,932	3,302	3,501	2,818	2,358	2,757	2,896	2,574	2,045	1,614
	25.24%	23.12%	23.97%	22.21%	25.86%	26.00%	25.55%	29.16%	25.29%	22.55%	21.75%	24.62%	27.75%	27.40%	26.49%
Red Flag Computation 42	7,529	181	495	617	669	934	878	721	680	459	548	408	313	284	342
	5.85%	11.16%	8.95%	8.32%	7.38%	8.28%	6.79%	6.00%	6.10%	4.39%	4.32%	3.47%	3.37%	3.80%	5.61%
Red Flag Computation 43	110	5	30	52	0	5	15	0	3	0	0	0	0	0	0
	0.09%	0.31%	0.54%	0.70%	0.00%	0.04%	0.12%	0.00%	0.03%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Flagged for Any of the Red Flag Computation 1-43	128,709	1,622	5,528	7,416	9,064	11,277	12,922	12,008	11,142	10,457	12,678	11,761	9,277	7,464	6,093
	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%

Notes

Defendant	Date Range
CVS	January 1, 2006 to November 29, 2019
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Walgreens	January 3, 2006 to January 3, 2020
Wal-Mart	January 2, 2006 to April 25, 2018

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Walgreens Combination Red Flagged Prescriptions Summary
Trumbull County, OH
Red Flag Computation 1-43, in Dosage Units

	Total	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Total Dosage Units of Combination Red Flagged Prescriptions	10,543,213	113,104	404,452	586,353	753,743	916,092	1,071,872	995,118	886,568	870,493	1,067,486	995,060	788,037	624,828	470,007
Total Dosage Units of Combination Red Flagged Opioid Prescriptions	8,128,653	82,710	306,730	460,632	579,615	705,566	841,294	775,438	684,659	669,701	837,808	767,158	595,148	465,173	357,021
Red Flag Computation 1	258,350	5,209	16,930	21,763	25,514	30,673	34,209	22,774	16,705	18,037	16,224	12,426	12,911	12,774	12,201
	3.18%	6.30%	5.52%	4.72%	4.40%	4.35%	4.07%	2.94%	2.44%	2.69%	1.94%	1.62%	2.17%	2.75%	3.42%
Red Flag Computation 2	1,223,816	20,517	65,458	77,845	92,883	112,630	114,504	103,195	100,822	94,108	118,062	104,767	83,733	74,580	60,712
	15.06%	24.81%	21.34%	16.90%	16.02%	15.96%	13.61%	13.31%	14.73%	14.05%	14.09%	13.66%	14.07%	16.03%	17.01%
Red Flag Computation 3	1,200,571	12,460	45,566	82,111	120,108	124,476	136,186	120,596	106,621	106,284	114,418	104,506	56,488	39,757	30,994
	14.77%	15.06%	14.86%	17.83%	20.72%	17.64%	16.19%	15.55%	15.57%	15.87%	13.66%	13.62%	9.49%	8.55%	8.68%
Red Flag Computation 4	775,135	7,353	24,412	41,746	56,053	66,053	80,589	86,071	97,990	80,095	86,968	61,470	40,348	28,695	17,292
	9.54%	8.89%	7.96%	9.06%	9.67%	9.36%	9.58%	11.10%	14.31%	11.96%	10.38%	8.01%	6.78%	6.17%	4.84%
Red Flag Computation 5	1,397,201	21,920	75,748	95,666	123,431	131,953	156,845	152,210	126,401	102,063	120,281	105,765	74,601	62,344	47,973
	13.25%	19.38%	18.73%	16.32%	16.38%	14.40%	14.63%	15.30%	14.26%	11.72%	11.27%	10.63%	9.47%	9.98%	10.21%
Red Flag Computation 6	468,403	8,065	35,086	42,953	58,753	48,156	51,046	54,944	36,919	29,617	32,870	27,261	14,798	14,108	13,827
	4.44%	7.13%	8.67%	7.33%	7.79%	5.26%	4.76%	5.52%	4.16%	3.40%	3.08%	2.74%	1.88%	2.26%	2.94%
Red Flag Computation 7	6,378,640	72,849	238,437	340,754	441,730	555,675	640,826	608,684	548,628	525,486	619,875	604,435	495,039	404,960	281,262
	60.50%	64.41%	58.95%	58.11%	58.60%	60.66%	59.79%	61.17%	61.88%	60.37%	58.07%	60.74%	62.82%	64.81%	59.84%
Red Flag Computation 8	5,021,369	53,536	178,223	251,895	344,041	434,339	490,034	469,676	422,552	419,630	488,026	484,614	412,844	339,874	232,085
	47.63%	47.33%	44.07%	42.96%	45.64%	47.41%	45.72%	47.20%	47.66%	48.21%	45.72%	48.70%	52.39%	54.39%	49.38%
Red Flag Computation 9	571,338	6,201	25,922	58,119	44,859	66,800	66,550	58,318	36,271	52,747	70,999	45,906	18,126	14,266	6,254
	7.03%	7.50%	8.45%	12.62%	7.74%	9.47%	7.91%	7.52%	5.30%	7.88%	8.47%	5.98%	3.05%	3.07%	1.75%
Red Flag Computation 10	1,196,604	5,346	35,844	83,126	80,162	129,364	205,375	198,706	75,388	59,598	55,001	43,914	29,875	22,304	172,601
	14.72%	6.46%	11.69%	18.05%	13.83%	18.33%	24.41%	25.63%	11.01%	8.90%	6.56%	5.72%	5.02%	4.79%	48.34%
Red Flag Computation 11	1,062,891	5,346	35,844	83,126	80,162	129,364	205,375	198,706	75,388	59,598	55,001	43,914	29,875	22,304	38,888
	13.08%	6.46%	11.69%	18.05%	13.83%	18.33%	24.41%	25.63%	11.01%	8.90%	6.56%	5.72%	5.02%	4.79%	10.89%
Red Flag Computation 12	1,834,374	687	5,690	22,124	41,833	95,041	196,918	164,600	122,695	144,071	279,233	280,163	231,862	151,336	98,121
	22.57%	0.83%	1.86%	4.80%	7.22%	13.47%	23.41%	21.23%	17.92%	21.51%	33.33%	36.52%	38.96%	32.53%	27.48%
Red Flag Computation 13	713,419	764	2,094	9,046	14,515	36,575	71,698	58,522	41,180	61,867	126,341	126,650	80,990	52,847	30,330
	8.78%	0.92%	0.68%	1.96%	2.50%	5.18%	8.52%	7.55%	6.01%	9.24%	15.08%	16.51%	13.61%	11.36%	8.50%
Red Flag Computation 14	153,298	5,636	15,005	20,945	23,568	26,580	27,946	15,311	12,892	5,415	0	0	0	0	0
	1.89%	6.81%	4.89%	4.55%	4.07%	3.77%	3.32%	1.97%	1.88%	0.81%	0.00%	0.00%	0.00%	0.00%	0.00%
Red Flag Computation 15	3,213,267	29,985	143,995	252,656	294,775	343,736	408,541	355,524	277,539	256,439	287,588	224,113	147,465	111,763	79,148
	39.53%	36.25%	46.95%	54.85%	50.86%	48.72%	48.56%	45.85%	40.54%	38.29%	34.33%	29.21%	24.78%	24.03%	22.17%
Red Flag Computation 16	256,234	9,531	30,674	36,713	27,569	32,587	30,063	22,615	17,026	8,991	8,832	5,238	7,741	14,073	4,581
	3.15%	11.52%	10.00%	7.97%	4.76%	4.62%	3.57%	2.92%	2.49%	1.34%	1.05%	0.68%	1.30%	3.03%	1.28%
Red Flag Computation 17	899,428	18,193	48,165	53,767	63,942	80,955	82,312	76,505	68,508	71,717	91,060	78,468	60,987	58,238	46,611
	8.53%	16.09%	11.91%	9.17%	8.48%	8.84%	7.68%	7.69%	7.73%	8.24%	8.53%	7.89%	7.74%	9.32%	9.92%
Red Flag Computation 18	281,268	3,491	14,059	19,488	25,144	29,851	28,770	27,070	26,452	24,306	26,047	22,338	14,943	9,496	9,813
	3.46%	4.22%	4.58%	4.23%	4.34%	4.23%	3.42%	3.49%	3.86%	3.63%	3.11%	2.91%	2.51%	2.04%	2.75%

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Walgreens Combination Red Flagged Prescriptions Summary
Trumbull County, OH
Red Flag Computation 1-43, in Dosage Units

	Total	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Total Dosage Units of Combination Red Flagged Prescriptions	10,543,213	113,104	404,452	586,353	753,743	916,092	1,071,872	995,118	886,568	870,493	1,067,486	995,060	788,037	624,828	470,007
Total Dosage Units of Combination Red Flagged Opioid Prescriptions	8,128,653	82,710	306,730	460,632	579,615	705,566	841,294	775,438	684,659	669,701	837,808	767,158	595,148	465,173	357,021
Red Flag Computation 19	149,288	989	7,674	11,222	14,747	16,265	14,336	15,572	13,353	11,907	13,050	12,826	8,261	4,536	4,550
	1.84%	1.20%	2.50%	2.44%	2.54%	2.31%	1.70%	2.01%	1.95%	1.78%	1.56%	1.67%	1.39%	0.98%	1.27%
Red Flag Computation 20	416,215	2,950	17,987	35,144	43,020	47,099	44,787	45,619	33,537	35,078	33,475	30,631	20,080	14,536	12,272
	5.12%	3.57%	5.86%	7.63%	7.42%	6.68%	5.32%	5.88%	4.90%	5.24%	4.00%	3.99%	3.37%	3.12%	3.44%
Red Flag Computation 21	251,746	2,044	11,124	22,495	21,918	24,400	25,067	29,355	26,260	23,730	21,889	18,605	11,180	7,472	6,207
	3.10%	2.47%	3.63%	4.88%	3.78%	3.46%	2.98%	3.79%	3.84%	3.54%	2.61%	2.43%	1.88%	1.61%	1.74%
Red Flag Computation 22	10,871	244	75	684	944	1,172	1,505	1,643	825	566	870	776	964	494	109
	0.13%	0.30%	0.02%	0.15%	0.16%	0.17%	0.18%	0.21%	0.12%	0.08%	0.10%	0.10%	0.16%	0.11%	0.03%
Red Flag Computation 23	14,408	348	70	898	819	952	2,220	1,773	870	987	1,414	1,304	1,710	962	81
	0.18%	0.42%	0.02%	0.19%	0.14%	0.13%	0.26%	0.23%	0.13%	0.15%	0.17%	0.17%	0.29%	0.21%	0.02%
Red Flag Computation 24	967,049	9,444	31,932	52,906	66,178	81,891	95,004	112,546	123,816	101,772	108,259	73,070	49,549	37,338	23,344
	11.90%	11.42%	10.41%	11.49%	11.42%	11.61%	11.29%	14.51%	18.08%	15.20%	12.92%	9.52%	8.33%	8.03%	6.54%
Red Flag Computation 25	1,251,820	312	3,240	12,531	25,096	60,259	126,079	103,169	81,389	99,627	200,429	203,768	162,614	105,155	68,152
	15.40%	0.38%	1.06%	2.72%	4.33%	8.54%	14.99%	13.30%	11.89%	14.88%	23.92%	26.56%	27.32%	22.61%	19.09%
Red Flag Computation 26	637,381	584	1,835	7,816	13,099	31,606	64,796	51,481	38,242	55,249	110,606	111,908	74,083	49,095	26,981
	7.84%	0.71%	0.60%	1.70%	2.26%	4.48%	7.70%	6.64%	5.59%	8.25%	13.20%	14.59%	12.45%	10.55%	7.56%
Red Flag Computation 27	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Red Flag Computation 28	5,868	0	0	90	2,204	90	0	0	0	0	2,020	24	0	720	720
	0.07%	0.00%	0.00%	0.02%	0.38%	0.01%	0.00%	0.00%	0.00%	0.00%	0.24%	0.00%	0.00%	0.15%	0.20%
Red Flag Computation 29	111,871	4,143	12,201	16,232	16,478	18,559	20,844	10,777	8,552	4,085	0	0	0	0	0
	1.38%	5.01%	3.98%	3.52%	2.84%	2.63%	2.48%	1.39%	1.25%	0.61%	0.00%	0.00%	0.00%	0.00%	0.00%
Red Flag Computation 30	443,841	7,720	31,909	49,378	52,681	63,688	61,572	42,778	34,882	29,303	22,399	17,422	11,964	9,455	8,690
	5.46%	9.33%	10.40%	10.72%	9.09%	9.03%	7.32%	5.52%	5.09%	4.38%	2.67%	2.27%	2.01%	2.03%	2.43%
Red Flag Computation 31	631,345	1,935	21,107	36,665	50,799	54,190	59,365	56,346	55,189	59,369	81,249	63,981	38,318	27,818	25,014
	7.77%	2.34%	6.88%	7.96%	8.76%	7.68%	7.06%	7.27%	8.06%	8.87%	9.70%	8.34%	6.44%	5.98%	7.01%
Red Flag Computation 32	41,050	700	3,518	6,607	2,480	10,362	10,606	3,464	930	1,183	360	120	0	720	0
	0.51%	0.85%	1.15%	1.43%	0.43%	1.47%	1.26%	0.45%	0.14%	0.18%	0.04%	0.02%	0.00%	0.15%	0.00%
Red Flag Computation 33	274,732	1,503	11,700	36,627	29,839	42,959	61,513	33,186	14,549	14,796	13,376	5,666	3,281	2,721	3,016
	3.38%	1.82%	3.81%	7.95%	5.15%	6.09%	7.31%	4.28%	2.12%	2.21%	1.60%	0.74%	0.55%	0.58%	0.84%
Red Flag Computation 34	75,594	180	150	2,199	5,216	4,600	5,017	4,202	2,220	4,173	13,787	16,109	8,175	5,200	4,366
	0.93%	0.22%	0.05%	0.48%	0.90%	0.65%	0.60%	0.54%	0.32%	0.62%	1.65%	2.10%	1.37%	1.12%	1.22%
Red Flag Computation 35	650,209	9,162	42,307	44,705	38,522	64,515	82,105	74,049	52,157	50,413	55,106	36,250	30,528	29,691	40,699
	8.00%	11.08%	13.79%	9.71%	6.65%	9.14%	9.76%	9.55%	7.62%	7.53%	6.58%	4.73%	5.13%	6.38%	11.40%
Red Flag Computation 36	349,962	5,892	17,548	21,680	26,028	37,411	35,799	30,740	26,907	21,355	31,896	28,279	22,262	25,502	18,663
	4.31%	7.12%	5.72%	4.71%	4.49%	5.30%	4.26%	3.96%	3.93%	3.19%	3.81%	3.69%	3.74%	5.48%	5.23%

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Walgreens Combination Red Flagged Prescriptions Summary
Trumbull County, OH
Red Flag Computation 1-43, in Dosage Units

	Total	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Total Dosage Units of Combination Red Flagged Prescriptions	10,543,213	113,104	404,452	586,353	753,743	916,092	1,071,872	995,118	886,568	870,493	1,067,486	995,060	788,037	624,828	470,007
Total Dosage Units of Combination Red Flagged Opioid Prescriptions	8,128,653	82,710	306,730	460,632	579,615	705,566	841,294	775,438	684,659	669,701	837,808	767,158	595,148	465,173	357,021
Red Flag Computation 37	11,667	0	0	0	400	500	0	800	800	1,000	2,445	2,200	3,062	460	0
	0.14%	0.00%	0.00%	0.00%	0.07%	0.07%	0.00%	0.10%	0.12%	0.15%	0.29%	0.29%	0.51%	0.10%	0.00%
Red Flag Computation 38	6,101,804	71,297	228,257	318,256	442,342	537,831	604,165	578,161	525,893	508,859	592,251	572,392	469,411	382,457	270,232
	57.87%	63.04%	56.44%	54.28%	58.69%	58.71%	56.37%	58.10%	59.32%	58.46%	55.48%	57.52%	59.57%	61.21%	57.50%
Red Flag Computation 39	450,406	8,065	34,726	40,833	55,886	47,286	50,356	52,454	34,805	28,361	31,720	25,706	14,558	12,761	12,889
	4.27%	7.13%	8.59%	6.96%	7.41%	5.16%	4.70%	5.27%	3.93%	3.26%	2.97%	2.58%	1.85%	2.04%	2.74%
Red Flag Computation 40	273,180	2,430	12,289	48,522	40,786	48,681	43,193	28,419	14,874	9,045	8,438	4,111	5,370	4,170	2,852
	3.36%	2.94%	4.01%	10.53%	7.04%	6.90%	5.13%	3.66%	2.17%	1.35%	1.01%	0.54%	0.90%	0.90%	0.80%
Red Flag Computation 41	2,806,619	30,490	107,654	140,610	201,239	236,063	272,548	295,249	232,109	214,604	244,866	264,095	238,207	189,047	139,838
	26.62%	26.96%	26.62%	23.98%	26.70%	25.77%	25.43%	29.67%	26.18%	24.65%	22.94%	26.54%	30.23%	30.26%	29.75%
Red Flag Computation 42	501,091	12,280	31,108	43,923	45,810	63,280	63,475	51,262	45,599	33,120	36,049	25,636	20,470	14,189	14,890
	4.75%	10.86%	7.69%	7.49%	6.08%	6.91%	5.92%	5.15%	5.14%	3.80%	3.38%	2.58%	2.60%	2.27%	3.17%
Red Flag Computation 43	5,854	167	1,215	3,250	0	500	512	0	210	0	0	0	0	0	0
	0.06%	0.15%	0.30%	0.55%	0.00%	0.05%	0.05%	0.00%	0.02%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Flagged for Any of the Red Flag Computation 1-43	10,543,213	113,104	404,452	586,353	753,743	916,092	1,071,872	995,118	886,568	870,493	1,067,486	995,060	788,037	624,828	470,007
	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%

Notes

Defendant	Date Range
CVS	January 1, 2006 to November 29, 2019
Giant Eagle/HBC	January 1, 2006 to December 3, 2019
Rite Aid	January 1, 2006 to November 19, 2019
Walgreens	January 3, 2006 to January 3, 2020
Wal-Mart	January 2, 2006 to April 25, 2018

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Walgreens Combination Red Flagged Prescriptions Summary
Trumbull County, OH
Red Flag Computation 1-43, in MME

	Total	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Total MME of Combination Red Flagged Prescriptions	166,651,542	1,410,225	6,006,388	12,010,393	12,417,515	17,007,041	21,538,513	19,303,808	13,351,181	12,343,778	14,667,975	13,034,067	9,947,852	7,838,075	5,774,733
Total MME of Combination Red Flagged Opioid Prescriptions	166,651,542	1,410,225	6,006,388	12,010,393	12,417,515	17,007,041	21,538,513	19,303,808	13,351,181	12,343,778	14,667,975	13,034,067	9,947,852	7,838,075	5,774,733
Red Flag Computation 1	5,521,821	94,213	321,302	408,940	400,063	777,113	971,110	714,975	289,835	302,398	327,503	210,291	239,150	263,948	200,984
	3.31%	6.68%	5.35%	3.40%	3.22%	4.57%	4.51%	3.70%	2.17%	2.45%	2.23%	1.61%	2.40%	3.37%	3.48%
Red Flag Computation 2	24,674,726	432,435	1,334,546	1,575,042	1,787,043	2,943,466	2,780,191	2,504,748	2,015,950	1,821,795	2,342,674	1,804,530	1,299,707	1,151,727	880,874
	14.81%	30.66%	22.22%	13.11%	14.39%	17.31%	12.91%	12.98%	15.10%	14.76%	15.97%	13.84%	13.07%	14.69%	15.25%
Red Flag Computation 3	22,780,653	296,133	781,188	1,991,133	2,385,734	2,552,519	2,743,071	2,195,922	2,066,315	1,946,878	1,884,546	1,756,797	948,553	763,795	468,070
	13.67%	21.00%	13.01%	16.58%	19.21%	15.01%	12.74%	11.38%	15.48%	15.77%	12.85%	13.48%	9.54%	9.74%	8.11%
Red Flag Computation 4	19,697,668	144,003	486,421	1,614,948	1,628,627	1,640,574	2,615,588	2,719,440	2,247,145	1,702,191	1,771,039	1,325,562	858,916	606,616	336,599
	11.82%	10.21%	8.10%	13.45%	13.12%	9.65%	12.14%	14.09%	16.83%	13.79%	12.07%	10.17%	8.63%	7.74%	5.83%
Red Flag Computation 5	17,156,986	222,510	710,115	1,020,984	1,351,674	1,750,277	2,576,502	2,087,689	1,575,400	1,193,975	1,416,246	1,151,933	745,435	744,883	609,364
	10.30%	15.78%	11.82%	8.50%	10.89%	10.29%	11.96%	10.81%	11.80%	9.67%	9.66%	8.84%	7.49%	9.50%	10.55%
Red Flag Computation 6	4,913,257	41,678	204,927	306,158	453,493	566,276	762,753	757,415	392,720	310,346	409,123	245,218	101,818	154,050	207,285
	2.95%	2.96%	3.41%	2.55%	3.65%	3.33%	3.54%	3.92%	2.94%	2.51%	2.79%	1.88%	1.02%	1.97%	3.59%
Red Flag Computation 7	84,911,440	702,103	2,831,419	5,880,131	5,824,132	8,096,143	10,614,340	9,994,046	7,290,207	6,193,835	7,344,634	7,093,581	5,460,877	4,518,717	3,067,274
	50.95%	49.79%	47.14%	48.96%	46.90%	47.60%	49.28%	51.77%	54.60%	50.18%	50.07%	54.42%	54.90%	57.65%	53.12%
Red Flag Computation 8	58,856,832	383,718	1,775,553	3,607,700	3,848,169	5,678,575	6,885,506	6,548,016	4,995,490	4,580,957	5,280,004	5,155,132	4,147,661	3,553,616	2,416,734
	35.32%	27.21%	29.56%	30.04%	30.99%	33.39%	31.97%	33.92%	37.42%	37.11%	36.00%	39.55%	41.69%	45.34%	41.85%
Red Flag Computation 9	12,911,424	124,743	593,792	1,572,048	1,055,507	1,810,284	1,763,127	1,439,904	783,777	1,044,353	1,229,238	816,608	343,298	243,949	90,800
	7.75%	8.85%	9.89%	13.09%	8.50%	10.64%	8.19%	7.46%	5.87%	8.46%	8.38%	6.27%	3.45%	3.11%	1.57%
Red Flag Computation 10	67,546,902	462,420	2,541,165	5,919,973	5,457,298	8,945,360	12,421,294	10,993,428	4,633,890	3,600,283	3,221,155	2,528,940	1,595,148	1,253,348	3,973,203
	40.53%	32.79%	42.31%	49.29%	43.95%	52.60%	57.67%	56.95%	34.71%	29.17%	21.96%	19.40%	16.04%	15.99%	68.80%
Red Flag Computation 11	65,404,862	462,420	2,541,165	5,919,973	5,457,298	8,945,360	12,421,294	10,993,428	4,633,890	3,600,283	3,221,155	2,528,940	1,595,148	1,253,348	1,831,163
	39.25%	32.79%	42.31%	49.29%	43.95%	52.60%	57.67%	56.95%	34.71%	29.17%	21.96%	19.40%	16.04%	15.99%	31.71%
Red Flag Computation 12	28,854,093	5,985	88,125	555,998	630,398	2,159,670	5,196,793	4,291,513	1,525,905	1,623,310	3,335,590	3,365,885	2,932,703	1,905,855	1,236,365
	17.31%	0.42%	1.47%	4.63%	5.08%	12.70%	24.13%	22.23%	11.43%	13.15%	22.74%	25.82%	29.48%	24.32%	21.41%
Red Flag Computation 13	10,200,540	5,000	18,255	169,865	165,083	720,523	1,584,260	1,371,123	490,885	681,558	1,474,900	1,473,925	1,028,455	641,853	374,858
	6.12%	0.35%	0.30%	1.41%	1.33%	4.24%	7.36%	7.10%	3.68%	5.52%	10.06%	11.31%	10.34%	8.19%	6.49%
Red Flag Computation 14	1,234,572	36,998	118,560	165,603	179,213	219,510	234,052	121,506	111,134	47,998	0	0	0	0	0
	0.74%	2.62%	1.97%	1.38%	1.44%	1.29%	1.09%	0.63%	0.83%	0.39%	0.00%	0.00%	0.00%	0.00%	0.00%
Red Flag Computation 15	92,377,336	780,623	3,834,447	8,889,965	8,603,976	10,847,416	13,818,844	11,308,222	7,342,800	6,465,587	6,970,516	5,394,641	3,615,248	2,766,327	1,738,725
	55.43%	55.35%	63.84%	74.02%	69.29%	63.78%	64.16%	58.58%	55.00%	52.38%	47.52%	41.39%	36.34%	35.29%	30.11%
Red Flag Computation 16	4,979,284	112,148	488,374	912,773	427,100	764,403	598,804	535,003	389,268	135,482	146,330	63,812	135,150	205,830	64,810
	2.99%	7.95%	8.13%	7.60%	3.44%	4.49%	2.78%	2.77%	2.92%	1.10%	1.00%	0.49%	1.36%	2.63%	1.12%
Red Flag Computation 17	16,829,125	356,200	1,037,269	1,076,282	1,105,160	1,991,830	1,842,908	1,753,777	1,250,214	1,254,754	1,669,483	1,250,733	866,295	793,428	580,794
	10.10%	25.26%	17.27%	8.96%	8.90%	11.71%	8.56%	9.09%	9.36%	10.17%	11.38%	9.60%	8.71%	10.12%	10.06%
Red Flag Computation 18	4,319,785	41,133	150,990	284,314	458,813	501,050	560,046	463,666	483,683	349,034	352,226	289,583	177,864	104,227	103,156
	2.59%	2.92%	2.51%	2.37%	3.69%	2.95%	2.60%	2.40%	3.62%	2.83%	2.40%	2.22%	1.79%	1.33%	1.79%

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Walgreens Combination Red Flagged Prescriptions Summary
Trumbull County, OH
Red Flag Computation 1-43, in MME

	Total	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Total MME of Combination Red Flagged Prescriptions	166,651,542	1,410,225	6,006,388	12,010,393	12,417,515	17,007,041	21,538,513	19,303,808	13,351,181	12,343,778	14,667,975	13,034,067	9,947,852	7,838,075	5,774,733
Total MME of Combination Red Flagged Opioid Prescriptions	166,651,542	1,410,225	6,006,388	12,010,393	12,417,515	17,007,041	21,538,513	19,303,808	13,351,181	12,343,778	14,667,975	13,034,067	9,947,852	7,838,075	5,774,733
Red Flag Computation 19	2,452,301	22,383	105,471	188,712	305,551	317,713	293,163	223,271	281,615	153,125	163,128	179,029	108,601	53,242	57,299
	1.47%	1.59%	1.76%	1.57%	2.46%	1.87%	1.36%	1.16%	2.11%	1.24%	1.11%	1.37%	1.09%	0.68%	0.99%
Red Flag Computation 20	7,631,936	71,735	303,329	781,116	832,000	983,894	932,632	750,011	596,942	620,688	549,539	536,316	325,817	188,510	159,409
	4.58%	5.09%	5.05%	6.50%	6.70%	5.79%	4.33%	3.89%	4.47%	5.03%	3.75%	4.11%	3.28%	2.41%	2.76%
Red Flag Computation 21	4,091,503	56,528	180,342	450,568	366,293	367,359	445,745	476,497	486,067	336,365	352,170	277,310	135,519	93,999	66,743
	2.46%	4.01%	3.00%	3.75%	2.95%	2.16%	2.07%	2.47%	3.64%	2.72%	2.40%	2.13%	1.36%	1.20%	1.16%
Red Flag Computation 22	224,334	1,530	863	9,847	17,435	43,740	56,250	36,860	11,838	8,010	12,495	8,730	9,925	5,475	1,338
	0.13%	0.11%	0.01%	0.08%	0.14%	0.26%	0.26%	0.19%	0.09%	0.06%	0.09%	0.07%	0.10%	0.07%	0.02%
Red Flag Computation 23	265,057	2,240	525	7,005	14,215	34,015	85,614	21,748	21,850	16,283	14,925	14,700	17,845	13,035	1,058
	0.16%	0.16%	0.01%	0.06%	0.11%	0.20%	0.40%	0.11%	0.16%	0.13%	0.10%	0.11%	0.18%	0.17%	0.02%
Red Flag Computation 24	23,883,722	162,168	584,964	1,835,611	1,714,200	2,080,122	3,000,883	3,821,411	2,704,027	2,128,813	2,094,645	1,543,047	1,004,895	755,961	452,977
	14.33%	11.50%	9.74%	15.28%	13.80%	12.23%	13.93%	19.80%	20.25%	17.25%	14.28%	11.84%	10.10%	9.64%	7.84%
Red Flag Computation 25	18,741,559	2,910	47,625	295,975	347,365	1,291,293	3,153,660	2,634,021	991,428	1,116,870	2,337,460	2,386,925	1,996,883	1,285,100	854,045
	11.25%	0.21%	0.79%	2.46%	2.80%	7.59%	14.64%	13.65%	7.43%	9.05%	15.94%	18.31%	20.07%	16.40%	14.79%
Red Flag Computation 26	9,030,515	4,100	15,975	152,690	147,918	628,893	1,393,763	1,204,173	452,148	602,518	1,281,893	1,292,965	924,908	593,628	334,948
	5.42%	0.29%	0.27%	1.27%	1.19%	3.70%	6.47%	6.24%	3.39%	4.88%	8.74%	9.92%	9.30%	7.57%	5.80%
Red Flag Computation 27	400	0	0	400	0	0	0	0	0	0	0	0	0	0	0
	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Red Flag Computation 28	164,990	0	0	850	32,620	10,800	0	0	0	0	84,600	120	0	10,800	25,200
	0.10%	0.00%	0.00%	0.01%	0.26%	0.06%	0.00%	0.00%	0.00%	0.00%	0.58%	0.00%	0.00%	0.14%	0.44%
Red Flag Computation 29	902,700	26,843	95,770	129,775	126,250	151,340	178,697	83,890	74,013	36,123	0	0	0	0	0
	0.54%	1.90%	1.59%	1.08%	1.02%	0.89%	0.83%	0.43%	0.55%	0.29%	0.00%	0.00%	0.00%	0.00%	0.00%
Red Flag Computation 30	7,793,747	110,105	474,823	1,147,261	875,034	1,165,838	1,152,459	739,765	570,063	428,585	381,258	289,235	168,762	170,363	120,198
	4.68%	7.81%	7.91%	9.55%	7.05%	6.86%	5.35%	3.83%	4.27%	3.47%	2.60%	2.22%	1.70%	2.17%	2.08%
Red Flag Computation 31	10,739,392	14,475	241,700	707,113	740,610	824,158	1,069,023	1,122,292	899,068	950,038	1,512,420	1,120,328	715,520	472,370	350,280
	6.44%	1.03%	4.02%	5.89%	5.96%	4.85%	4.96%	5.81%	6.73%	7.70%	10.31%	8.60%	7.19%	6.03%	6.07%
Red Flag Computation 32	1,033,537	11,730	74,165	128,221	37,100	244,200	278,830	145,012	38,634	44,665	12,000	2,550	530	15,900	0
	0.62%	0.83%	1.23%	1.07%	0.30%	1.44%	1.29%	0.75%	0.29%	0.36%	0.08%	0.02%	0.01%	0.20%	0.00%
Red Flag Computation 33	15,054,902	77,835	543,388	1,985,605	1,629,430	2,548,038	3,659,332	1,986,803	726,002	680,938	621,700	292,615	149,930	66,675	86,613
	9.03%	5.52%	9.05%	16.53%	13.12%	14.98%	16.99%	10.29%	5.44%	5.52%	4.24%	2.25%	1.51%	0.85%	1.50%
Red Flag Computation 34	1,897,693	1,350	7,200	110,114	246,625	172,180	235,099	142,478	83,925	124,240	231,500	265,345	123,008	78,565	76,065
	1.14%	0.10%	0.12%	0.92%	1.99%	1.01%	1.09%	0.74%	0.63%	1.01%	1.58%	2.04%	1.24%	1.00%	1.32%
Red Flag Computation 35	19,611,646	174,930	1,126,566	1,589,636	1,199,531	2,120,559	3,108,394	2,724,988	1,481,352	1,568,748	1,604,974	989,670	697,092	531,516	693,693
	11.77%	12.40%	18.76%	13.24%	9.66%	12.47%	14.43%	14.12%	11.10%	12.71%	10.94%	7.59%	7.01%	6.78%	12.01%
Red Flag Computation 36	7,484,260	117,170	283,804	449,673	404,388	1,214,698	1,105,008	919,696	538,739	327,773	599,947	436,553	356,821	405,880	324,114
	4.49%	8.31%	4.73%	3.74%	3.26%	7.14%	5.13%	4.76%	4.04%	2.66%	4.09%	3.35%	3.59%	5.18%	5.61%

CONFIDENTIAL – SUBJECT TO PROTECTIVE ORDER

Walgreens Combination Red Flagged Prescriptions Summary
Trumbull County, OH
Red Flag Computation 1-43, in MME

	Total	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Total MME of Combination Red Flagged Prescriptions	166,651,542	1,410,225	6,006,388	12,010,393	12,417,515	17,007,041	21,538,513	19,303,808	13,351,181	12,343,778	14,667,975	13,034,067	9,947,852	7,838,075	5,774,733
Total MME of Combination Red Flagged Opioid Prescriptions	166,651,542	1,410,225	6,006,388	12,010,393	12,417,515	17,007,041	21,538,513	19,303,808	13,351,181	12,343,778	14,667,975	13,034,067	9,947,852	7,838,075	5,774,733
Red Flag Computation 37	262,508	0	0	0	9,000	11,250	0	18,000	18,000	22,500	55,013	49,500	68,895	10,350	0
	0.16%	0.00%	0.00%	0.00%	0.07%	0.07%	0.00%	0.09%	0.13%	0.18%	0.38%	0.38%	0.69%	0.13%	0.00%
Red Flag Computation 38	73,572,061	635,581	2,465,152	4,556,912	5,080,927	7,422,350	8,708,935	8,046,567	6,307,726	5,654,728	6,452,542	6,263,553	4,888,505	4,189,669	2,898,917
	44.15%	45.07%	41.04%	37.94%	40.92%	43.64%	40.43%	41.68%	47.24%	45.81%	43.99%	48.06%	49.14%	53.45%	50.20%
Red Flag Computation 39	4,676,960	41,678	198,327	284,283	419,143	562,826	750,153	709,153	375,895	293,876	384,823	224,818	100,018	140,055	191,915
	2.81%	2.96%	3.30%	2.37%	3.38%	3.31%	3.48%	3.67%	2.82%	2.38%	2.62%	1.72%	1.01%	1.79%	3.32%
Red Flag Computation 40	13,519,016	85,200	528,874	2,556,715	2,209,488	2,568,116	2,235,570	1,182,184	718,120	402,950	368,205	164,113	248,715	149,150	101,618
	8.11%	6.04%	8.81%	21.29%	17.79%	15.10%	10.38%	6.12%	5.38%	3.26%	2.51%	1.26%	2.50%	1.90%	1.76%
Red Flag Computation 41	37,836,176	303,118	1,272,993	2,272,403	2,723,680	3,823,313	4,593,502	4,204,961	3,181,546	2,729,236	3,034,849	3,146,874	2,605,062	2,306,400	1,638,238
	22.70%	21.49%	21.19%	18.92%	21.93%	22.48%	21.33%	21.78%	23.83%	22.11%	20.69%	24.14%	26.19%	29.43%	28.37%
Red Flag Computation 42	8,638,516	189,775	359,210	801,207	679,047	1,039,683	1,284,610	990,183	767,512	563,544	600,195	463,040	378,862	224,328	297,321
	5.18%	13.46%	5.98%	6.67%	5.47%	6.11%	5.96%	5.13%	5.75%	4.57%	4.09%	3.55%	3.81%	2.86%	5.15%
Red Flag Computation 43	130,253	855	14,820	86,763	0	7,350	12,905	0	7,560	0	0	0	0	0	0
	0.08%	0.06%	0.25%	0.72%	0.00%	0.04%	0.06%	0.00%	0.06%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Flagged for Any of the Red Flag Computation 1-43	166,651,542	1,410,225	6,006,388	12,010,393	12,417,515	17,007,041	21,538,513	19,303,808	13,351,181	12,343,778	14,667,975	13,034,067	9,947,852	7,838,075	5,774,733
	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%

Notes

Defendant	Date Range
CVS	January 1, 2006 to November 29, 2019
Giant Eagle/HBC	January 1, 2006 to December 3, 2019
Rite Aid	January 1, 2006 to November 19, 2019
Walgreens	January 3, 2006 to January 3, 2020
Wal-Mart	January 2, 2006 to April 25, 2018

F. Combination Red Flagged Prescriptions – Red Flag Computation 1-43 No of Flags Triggered

Lake County and Trumbull County, OH
Summary of Combination Red Flagged Opioid Prescriptions
Red Flag Computation 1-43

Defendant	CVS		Walgreens		Wal-Mart		Giant Eagle/HBC		Rite Aid		Total	
Total # of Combination Red Flagged Opioid Prescriptions	**141,651**		**175,609**		**37,379**		**125,994**		**209,395**		**690,028**	
Opioid Prescriptions Flagged - 4+ Methods	61,015	43 07%	87,341	49 74%	16,291	43 58%	50,205	39 85%	112,881	53 91%	**327,733**	47 50%
Opioid Prescriptions Flagged - 5+ Methods	33,430	23 60%	51,543	29 35%	8,808	23 56%	26,418	20 97%	70,504	33 67%	**190,703**	27 64%
Opioid Prescriptions Flagged - 6+ Methods	18,208	12 85%	29,412	16 75%	4,830	12 92%	13,888	11 02%	42,143	20 13%	**108,481**	15 72%
Opioid Prescriptions Flagged - 7+ Methods	9,258	6 54%	16,145	9 19%	2,554	6 83%	7,041	5 59%	23,967	11 45%	**58,965**	8 55%
Opioid Prescriptions Flagged - 8+ Methods	4,515	3 19%	8,285	4 72%	1,356	3 63%	3,461	2 75%	13,027	6 22%	**30,644**	4 44%
Opioid Prescriptions Flagged - 9+ Methods	2,222	1 57%	4,194	2 39%	732	1 96%	1,764	1 40%	6,938	3 31%	**15,850**	2 30%
Opioid Prescriptions Flagged - 10+ Methods	1,083	0 76%	1,925	1 10%	359	0 96%	824	0 65%	3,685	1 76%	**7,876**	1 14%
Opioid Prescriptions Flagged - 11+ Methods	496	0 35%	872	0 50%	135	0 36%	334	0 27%	1,814	0 87%	**3,651**	0 53%
Opioid Prescriptions Flagged - 12+ Methods	220	0 16%	373	0 21%	77	0 21%	131	0 10%	967	0 46%	**1,768**	0 26%
Opioid Prescriptions Flagged - 13+ Methods	106	0 07%	150	0 09%	27	0 07%	64	0 05%	478	0 23%	**825**	0 12%
Opioid Prescriptions Flagged - 14+ Methods	37	0 03%	71	0 04%	14	0 04%	21	0 02%	212	0 10%	**355**	0 05%
Opioid Prescriptions Flagged - 15+ Methods	12	0 01%	28	0 02%	6	0 02%	7	0 01%	76	0 04%	**129**	0 02%
Opioid Prescriptions Flagged - 16+ Methods	5	0 00%	12	0 01%	2	0 01%	1	0 00%	30	0 01%	**50**	0 01%
Opioid Prescriptions Flagged - 17+ Methods	0	0 00%	4	0 00%	0	0 00%	0	0 00%	9	0 00%	**13**	0 00%
Opioid Prescriptions Flagged - 18+ Methods	0	0 00%	0	0 00%	0	0 00%	0	0 00%	3	0 00%	**3**	0 00%
Opioid Prescriptions Flagged - 19+ Methods	0	0 00%	0	0 00%	0	0 00%	0	0 00%	2	0 00%	**2**	0 00%
Opioid Prescriptions Flagged - 20+ Methods	0	0 00%	0	0 00%	0	0 00%	0	0 00%	2	0 00%	**2**	0 00%

Notes

Defendant	Date Range
CVS	January 1, 2006 to November 29, 2019
Giant Eagle/HBC	January 1, 2006 to December 3, 2019
Rite Aid	January 1, 2006 to November 19, 2019
Walgreens	January 3, 2006 to January 3, 2020
Wal-Mart	January 2, 2006 to April 25, 2018

Lake County, OH
Summary of Combination Red Flagged Opioid Prescriptions
Red Flag Computation 1-43

Defendant	CVS		Walgreens		Wal-Mart		Giant Eagle/HBC		Rite Aid		Total	
Total # of Combination Red Flagged Opioid Prescriptions	**91,066**		**80,894**		**26,709**		**45,795**		**59,259**		**303,723**	
Opioid Prescriptions Flagged - 4+ Methods	39,657	43 55%	35,816	44 28%	12,020	45 00%	16,262	35 51%	31,908	53 84%	**135,663**	44 67%
Opioid Prescriptions Flagged - 5+ Methods	21,947	24 10%	20,039	24 77%	6,724	25 18%	8,215	17 94%	19,557	33 00%	**76,482**	25 18%
Opioid Prescriptions Flagged - 6+ Methods	11,958	13 13%	11,045	13 65%	3,728	13 96%	4,208	9 19%	11,182	18 87%	**42,121**	13 87%
Opioid Prescriptions Flagged - 7+ Methods	6,214	6 82%	5,768	7 13%	2,022	7 57%	2,007	4 38%	6,421	10 84%	**22,432**	7 39%
Opioid Prescriptions Flagged - 8+ Methods	3,158	3 47%	2,954	3 65%	1,155	4 32%	950	2 07%	3,544	5 98%	**11,761**	3 87%
Opioid Prescriptions Flagged - 9+ Methods	1,519	1 67%	1,442	1 78%	643	2 41%	460	1 00%	1,858	3 14%	**5,922**	1 95%
Opioid Prescriptions Flagged - 10+ Methods	741	0 81%	642	0 79%	333	1 25%	210	0 46%	945	1 59%	**2,871**	0 95%
Opioid Prescriptions Flagged - 11+ Methods	347	0 38%	299	0 37%	127	0 48%	98	0 21%	434	0 73%	**1,305**	0 43%
Opioid Prescriptions Flagged - 12+ Methods	169	0 19%	128	0 16%	72	0 27%	39	0 09%	233	0 39%	**641**	0 21%
Opioid Prescriptions Flagged - 13+ Methods	92	0 10%	55	0 07%	24	0 09%	20	0 04%	97	0 16%	**288**	0 09%
Opioid Prescriptions Flagged - 14+ Methods	31	0 03%	29	0 04%	13	0 05%	11	0 02%	43	0 07%	**127**	0 04%
Opioid Prescriptions Flagged - 15+ Methods	10	0 01%	16	0 02%	6	0 02%	4	0 01%	13	0 02%	**49**	0 02%
Opioid Prescriptions Flagged - 16+ Methods	5	0 01%	7	0 01%	2	0 01%	1	0 00%	3	0 01%	**18**	0 01%
Opioid Prescriptions Flagged - 17+ Methods	0	0 00%	3	0 00%	0	0 00%	0	0 00%	2	0 00%	**5**	0 00%
Opioid Prescriptions Flagged - 18+ Methods	0	0 00%	0	0 00%	0	0 00%	0	0 00%	1	0 00%	**1**	0 00%
Opioid Prescriptions Flagged - 19+ Methods	0	0 00%	0	0 00%	0	0 00%	0	0 00%	0	0 00%	**0**	0 00%
Opioid Prescriptions Flagged - 20+ Methods	0	0 00%	0	0 00%	0	0 00%	0	0 00%	0	0 00%	**0**	0 00%

Notes

Defendant	Date Range
CVS	January 1, 2006 to November 29, 2019
Giant Eagle/HBC	January 1, 2006 to December 3, 2019
Rite Aid	January 1, 2006 to November 19, 2019
Walgreens	January 3, 2006 to January 3, 2020
Wal-Mart	January 2, 2006 to April 25, 2018

Trumbull County, OH
Summary of Combination Red Flagged Opioid Prescriptions
Red Flag Computation 1-43

Defendant	CVS		Walgreens		Wal-Mart		Giant Eagle/HBC		Rite Aid		Total	
Total # of Combination Red Flagged Opioid Prescriptions	**50,585**		**94,715**		**10,670**		**80,199**		**150,136**		**386,305**	
Opioid Prescriptions Flagged - 4+ Methods	21,358	42 22%	51,525	54 40%	4,271	40 03%	33,943	42 32%	80,973	53 93%	**192,070**	49 72%
Opioid Prescriptions Flagged - 5+ Methods	11,483	22 70%	31,504	33 26%	2,084	19 53%	18,203	22 70%	50,947	33 93%	**114,221**	29 57%
Opioid Prescriptions Flagged - 6+ Methods	6,250	12 36%	18,367	19 39%	1,102	10 33%	9,680	12 07%	30,961	20 62%	**66,360**	17 18%
Opioid Prescriptions Flagged - 7+ Methods	3,044	6 02%	10,377	10 96%	532	4 99%	5,034	6 28%	17,546	11 69%	**36,533**	9 46%
Opioid Prescriptions Flagged - 8+ Methods	1,357	2 68%	5,331	5 63%	201	1 88%	2,511	3 13%	9,483	6 32%	**18,883**	4 89%
Opioid Prescriptions Flagged - 9+ Methods	703	1 39%	2,752	2 91%	89	0 83%	1,304	1 63%	5,080	3 38%	**9,928**	2 57%
Opioid Prescriptions Flagged - 10+ Methods	342	0 68%	1,283	1 35%	26	0 24%	614	0 77%	2,740	1 83%	**5,005**	1 30%
Opioid Prescriptions Flagged - 11+ Methods	149	0 29%	573	0 60%	8	0 07%	236	0 29%	1,380	0 92%	**2,346**	0 61%
Opioid Prescriptions Flagged - 12+ Methods	51	0 10%	245	0 26%	5	0 05%	92	0 11%	734	0 49%	**1,127**	0 29%
Opioid Prescriptions Flagged - 13+ Methods	14	0 03%	95	0 10%	3	0 03%	44	0 05%	381	0 25%	**537**	0 14%
Opioid Prescriptions Flagged - 14+ Methods	6	0 01%	42	0 04%	1	0 01%	10	0 01%	169	0 11%	**228**	0 06%
Opioid Prescriptions Flagged - 15+ Methods	2	0 00%	12	0 01%	0	0 00%	3	0 00%	63	0 04%	**80**	0 02%
Opioid Prescriptions Flagged - 16+ Methods	0	0 00%	5	0 01%	0	0 00%	0	0 00%	27	0 02%	**32**	0 01%
Opioid Prescriptions Flagged - 17+ Methods	0	0 00%	1	0 00%	0	0 00%	0	0 00%	7	0 00%	**8**	0 00%
Opioid Prescriptions Flagged - 18+ Methods	0	0 00%	0	0 00%	0	0 00%	0	0 00%	2	0 00%	**2**	0 00%
Opioid Prescriptions Flagged - 19+ Methods	0	0 00%	0	0 00%	0	0 00%	0	0 00%	2	0 00%	**2**	0 00%
Opioid Prescriptions Flagged - 20+ Methods	0	0 00%	0	0 00%	0	0 00%	0	0 00%	2	0 00%	**2**	0 00%

Notes

Defendant	Date Range
CVS	January 1, 2006 to November 29, 2019
Giant Eagle/HBC	January 1, 2006 to December 3, 2019
Rite Aid	January 1, 2006 to November 19, 2019
Walgreens	January 3, 2006 to January 3, 2020
Wal-Mart	January 2, 2006 to April 25, 2018

G. Calculations for Impact Analysis

Calculations for Impact Analysis

	Defendant Dispensers Share of Total MMEs (ARCOS)		Defendant Dispensers Combination Red Flagged Prescriptions Percent of MMEs		Distributors Share of Total MMEs (ARCOS)		Distributors Non-Recurrent SOMs Percent of MMEs (ARCOS)		Distributors Recurrent SOMs Percent of MMEs (ARCOS)	
Year	Lake	Trumbull	Lake	Trumbull	Lake	Trumbull	Lake	Trumbull	Lake	Trumbull
1997										
1998										
1999										
2000										
2001										
2002										
2003										
2004										
2005										
2006	53.06%	45.01%	29.98%	31.34%	34.83%	12.13%	2.97%	3.72%	29.76%	35.01%
2007	53.18%	42.85%	32.35%	33.22%	41.35%	13.08%	16.45%	14.11%	80.66%	80.01%
2008	58.28%	48.62%	33.64%	38.23%	36.47%	17.11%	26.78%	23.72%	85.97%	77.91%
2009	58.47%	51.04%	34.39%	37.98%	34.30%	17.14%	30.47%	26.57%	85.97%	82.27%
2010	68.31%	51.29%	35.20%	37.47%	33.71%	21.49%	36.70%	32.75%	84.87%	83.09%
2011	72.66%	53.79%	37.27%	40.53%	30.33%	23.87%	40.73%	40.32%	85.35%	90.38%
2012	73.36%	56.13%	32.64%	37.63%	28.74%	25.78%	35.87%	42.73%	86.58%	92.15%
2013	80.13%	57.43%	29.94%	32.82%	17.58%	16.64%	32.37%	30.40%	92.97%	97.20%
2014	81.44%	56.79%	26.61%	31.54%	14.66%	10.40%	38.01%	26.92%	89.93%	98.20%
2015			26.37%	32.96%						
2016			23.72%	31.76%						
2017			22.49%	27.99%						
2018			20.17%	26.58%						
2019			22.39%	24.92%						
1997-2010	58.80%	48.05%	33.59%	36.10%	52.24%	29.39%	23.90%	23.17%	76.04%	75.54%
2006-2010	58.80%	48.05%	33.59%	36.10%	52.24%	29.39%	23.90%	23.17%	76.04%	75.54%
1997-2019	66.52%	51.61%	30.26%	33.92%	28.14%	20.00%	28.51%	30.21%	79.99%	84.28%
2006-2019	66.52%	51.61%	30.26%	33.92%	28.14%	20.00%	28.51%	30.21%	79.99%	84.28%

Note: Total MME includes MMEs sold by non-defendants.

Combination Red Flagged Prescriptions in the Dispensing Data

Year	Defendant Dispensers Total Number of Prescriptions		Defendant Dispensers Combination Red Flagged Prescriptions	
	Lake	Trumbull	Lake	Trumbull
1997				
1998				
1999				
2000				
2001				
2002				
2003				
2004				
2005				
2006	77,020	105,233	12,414	20,993
2007	105,325	117,401	19,566	25,513
2008	118,002	128,739	23,135	30,181
2009	128,183	137,017	26,231	31,712
2010	135,481	143,963	29,617	34,348
2011	147,874	150,093	33,796	36,872
2012	143,628	150,224	30,855	34,791
2013	138,867	145,601	27,435	30,641
2014	132,588	141,796	24,320	29,687
2015	121,715	135,858	22,707	29,923
2016	112,087	127,351	19,226	27,551
2017	92,434	108,802	14,768	21,719
2018	70,467	92,647	10,793	17,840
2019	55,195	78,548	8,860	14,534
1997-2010	564,011	632,353	110,963	142,747
2006-2010	564,011	632,353	110,963	142,747
1997-2019	1,578,866	1,763,273	303,723	386,305
2006-2019	1,578,866	1,763,273	303,723	386,305